

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:06:17 ; Search time 46.1569 Seconds
(without alignments)
779.908 Million cell updates/sec

Title: US-09-909-317-1

Perfect score: 22

Sequence: 1 gattcccatctctcttcttt 22

Scoring table: IDENTITY_NUC

Gapop 10_0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 500 summaries

Database : Issued Patents NA:*

1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*

2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*

3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/1/ina/PTUS_COMB.seq:*

6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	22	100.0	22	3	US-09-280-181B-1
2	18.4	83.6	34408	4	US-09-949-016-14010
3	17.8	80.9	366	4	US-09-248-796A-10881
4	17.8	80.9	601	4	US-09-949-016-80901
5	17.8	80.9	601	4	US-09-949-016-111397
6	17.8	80.9	711	4	US-09-248-796A-2809
7	17.8	80.9	45086	4	US-09-949-016-13408
8	17.8	80.9	49378	4	US-09-949-016-14083
9	17.8	80.9	199471	4	US-09-949-016-14083
10	17.4	79.1	601	4	US-09-949-016-69074
11	17.4	79.1	601	4	US-09-949-016-137497
12	17.4	79.1	19503	4	US-09-949-016-15258
13	17.4	79.1	53136	4	US-09-949-016-12500
14	17.4	79.1	53337	4	US-09-949-016-16092
15	17.4	79.1	58944	4	US-09-949-016-13769
16	17.4	79.1	96739	4	US-09-949-016-15606
17	17.2	78.2	429	4	US-09-621-976-9098
18	17.2	78.2	813	4	US-09-308-386A-2
19	17.2	78.2	1087	3	US-09-372-422A-29
20	17.2	78.2	5357	4	US-09-979-765-1
21	17.2	78.2	16216	4	US-09-949-016-17377
22	17.2	78.2	41454	4	US-09-949-016-17107
23	17.2	78.2	46085	4	US-09-949-016-13547
24	17.2	78.2	46085	4	US-09-949-016-13548
25	17.2	78.2	85122	4	US-09-949-016-14693
26	17.2	78.2	98964	4	US-09-949-016-15403
27	17.2	78.2	114793	4	US-10-148-806-3
28	17.2	78.2	119214	4	US-09-949-016-12507
29	17.2	78.2	237863	4	US-09-949-016-13404
30	16.8	76.4	170	4	US-09-513-999C-29029
31	16.8	76.4	301	2	US-08-332-766A-23
32	16.8	76.4	344	4	US-09-513-999C-32790
33	16.8	76.4	521	3	US-09-488-744A-10
34	16.8	76.4	601	4	US-09-949-016-53550
35	16.8	76.4	601	4	US-09-949-016-133079
36	16.8	76.4	601	4	US-09-949-016-133080
37	16.8	76.4	601	4	US-09-949-016-140928
38	16.8	76.4	601	4	US-09-949-016-156380
39	16.8	76.4	601	4	US-09-949-016-160881
40	16.8	76.4	601	4	US-09-949-016-160882
41	16.8	76.4	601	4	US-09-949-016-196595
42	16.8	76.4	601	4	US-09-949-016-196596
43	16.8	76.4	601	4	US-09-949-016-202254
44	16.8	76.4	675	4	US-09-248-796A-2987
45	16.8	76.4	865	4	US-09-270-767-4587
46	16.8	76.4	865	4	US-09-270-767-19869
47	16.8	76.4	955	3	US-09-641-638-17
48	16.8	76.4	955	4	US-10-170-097-17
49	16.8	76.4	1041	4	US-09-270-767-5221
50	16.8	76.4	1041	4	US-09-270-767-20503
51	16.8	76.4	2111	4	US-09-949-016-1548
52	16.8	76.4	22347	4	US-09-949-016-13290
53	16.8	76.4	24553	4	US-09-949-016-16901
54	16.8	76.4	32244	4	US-09-949-016-16806
55	16.8	76.4	32488	4	US-09-949-016-15490
56	16.8	76.4	38920	4	US-09-949-016-17546
57	16.8	76.4	43069	4	US-09-292-542A-1
58	16.8	76.4	45684	4	US-09-949-016-16539
59	16.8	76.4	48135	4	US-09-949-016-17027
60	16.8	76.4	77772	4	US-09-949-016-17417
61	16.8	76.4	77997	4	US-09-949-016-12249
62	16.8	76.4	78649	4	US-09-949-016-14619
63	16.8	76.4	78649	4	US-09-949-016-14620
64	16.8	76.4	78649	4	US-09-949-016-16220
65	16.8	76.4	78649	4	US-09-949-016-16228
66	16.8	76.4	79578	4	US-09-949-016-16339
67	16.8	76.4	85912	4	US-09-949-016-12362
68	16.8	76.4	85913	4	US-09-949-016-16109
69	16.8	76.4	94142	4	US-09-949-016-16553
70	16.8	76.4	106199	4	US-09-949-016-12393
71	16.8	76.4	134292	4	US-09-949-016-12158
72	16.8	76.4	143550	4	US-09-949-016-14143
73	16.8	76.4	148783	4	US-09-949-016-15729
74	16.8	76.4	152655	4	US-09-949-016-16246
75	16.8	76.4	157822	4	US-09-949-016-16723
76	16.8	76.4	165841	4	US-09-949-016-16192
77	16.8	76.4	166698	4	US-09-949-016-16038
78	16.8	76.4	360470	4	US-09-949-016-13173
79	16.8	76.4	374159	4	US-09-949-016-15868
80	16.8	76.4	451924	4	US-09-949-016-12896
81	16.8	76.4	451925	4	US-09-949-016-17305
82	16.8	76.4	767677	4	US-09-949-016-12147
83	16.8	76.4	767677	4	US-09-949-016-17361
84	16.4	74.5	2465	3	US-09-423-890-9
85	16.4	74.5	2503	1	US-08-472-934-3
86	16.4	74.5	2503	1	US-08-472-934-11
87	16.4	74.5	2503	2	US-08-323-460A-3
88	16.4	74.5	2503	2	US-08-461-146C-3
89	16.4	74.5	2503	2	US-08-461-146C-11
90	16.4	74.5	2503	3	US-08-461-145C-11
91	16.4	74.5	2503	3	US-08-461-145C-3
92	16.4	74.5	2503	3	US-08-628-829-5
93	16.4	74.5	2503	3	US-08-628-829-7
94	16.4	74.5	3276	4	US-09-583-110-1162
95	16.4	74.5	3309	4	US-09-107-433-2256
96	16.4	74.5	15213	3	US-08-961-527-26
97	16.4	74.5	21968	4	US-09-851-985-3
98	16.4	74.5	53769	4	US-09-949-016-17527
99	16.4	74.5	93398	4	US-09-949-016-14167
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C 247	15.8	71.8	1377	2	US-08-810-572A-1	Sequence 1, Appli	Sequence 1, Appli	320	15.8	71.8	346112	4	US-09-949-016-13165	Sequence 13165, A
C 248	15.8	71.8	1377	3	US-09-290-333-1	Sequence 1, Appli	Sequence 1, Appli	321	15.8	71.8	363032	4	US-09-949-016-12415	Sequence 12415, A
C 249	15.8	71.8	1377	4	US-09-782-857A-1	Sequence 1, Appli	Sequence 1, Appli	322	15.8	71.8	363032	4	US-09-949-016-12415	Sequence 12415, A
C 250	15.8	71.8	1377	4	US-09-879-919-21	Sequence 21, Appli	Sequence 21, Appli	323	15.8	71.8	387902	4	US-09-949-016-14543	Sequence 14543, A
C 251	15.8	71.8	1564	4	US-09-828-062-4	Sequence 4, Appli	Sequence 4, Appli	324	15.8	71.8	421118	4	US-09-949-016-16297	Sequence 16297, A
C 252	15.8	71.8	1750	3	US-09-276-531-34	Sequence 34, Appli	Sequence 34, Appli	325	15.8	71.8	421883	4	US-09-949-016-12557	Sequence 12557, A
C 253	15.8	71.8	1978	1	US-07-753-520B-2	Sequence 2, Appli	Sequence 2, Appli	326	15.8	71.8	455726	4	US-09-949-016-14157	Sequence 14157, A
C 254	15.8	71.8	2133	3	US-09-488-744A-3	Sequence 3, Appli	Sequence 3, Appli	327	15.8	71.8	462589	4	US-09-949-016-12900	Sequence 12900, A
C 255	15.8	71.8	2791	3	US-09-570-367C-1	Sequence 1, Appli	Sequence 1, Appli	328	15.8	71.8	476044	4	US-09-949-016-11940	Sequence 11940, A
C 256	15.8	71.8	2791	4	US-09-515-524-1	Sequence 1, Appli	Sequence 1, Appli	329	15.8	71.8	481115	4	US-09-949-016-11940	Sequence 11940, A
C 257	15.8	71.8	2791	4	US-09-934-634-1	Sequence 1, Appli	Sequence 1, Appli	330	15.8	71.8	670689	4	US-09-949-016-12505	Sequence 12505, A
C 258	15.8	71.8	3024	4	US-09-957-005-8	Sequence 8, Appli	Sequence 8, Appli	331	15.8	71.8	670689	4	US-09-949-016-14207	Sequence 14207, A
C 259	15.8	71.8	3794	4	US-09-192-434-1	Sequence 1, Appli	Sequence 1, Appli	332	15.8	71.8	670690	4	US-09-949-016-14033	Sequence 14033, A
C 260	15.8	71.8	4876	4	US-09-949-016-12790	Sequence 1, Appli	Sequence 1, Appli	333	15.8	71.8	670690	4	US-09-949-016-14033	Sequence 14033, A
C 261	15.8	71.8	4876	4	US-09-949-016-12790	Sequence 1, Appli	Sequence 1, Appli	334	15.8	71.8	828152	4	US-09-949-016-12777	Sequence 12777, A
C 262	15.8	71.8	5137	4	US-09-171-991-1	Sequence 1, Appli	Sequence 1, Appli	335	15.6	70.9	273	4	US-09-248-796A-9949	Sequence 9949, Ap
C 263	15.8	71.8	5473	4	US-09-620-312D-260	Sequence 260, Appl	Sequence 260, Appl	336	15.6	70.9	395	4	US-09-513-999C-32163	Sequence 32163, A
C 264	15.8	71.8	6139	3	US-08-843-076D-33	Sequence 33, Appli	Sequence 33, Appli	337	15.6	70.9	408	4	US-09-489-039A-3003	Sequence 3003, Ap
C 265	15.8	71.8	7379	3	US-09-341-587-5	Sequence 5, Appli	Sequence 5, Appli	338	15.6	70.9	447	3	US-09-081-320-24	Sequence 24, Appli
C 266	15.8	71.8	8316	1	US-07-753-520B-4	Sequence 4, Appli	Sequence 4, Appli	339	15.6	70.9	447	3	US-09-574-141A-24	Sequence 24, Appli
C 267	15.8	71.8	9115	1	US-07-753-520B-3	Sequence 3, Appli	Sequence 3, Appli	340	15.6	70.9	447	3	US-09-707-780-24	Sequence 24, Appli
C 268	15.8	71.8	9369	4	US-09-949-016-17071	Sequence 17071, A	Sequence 17071, A	341	15.6	70.9	469	4	US-09-568-189A-24	Sequence 24, Appli
C 269	15.8	71.8	9813	4	US-09-949-016-13582	Sequence 13582, A	Sequence 13582, A	342	15.6	70.9	507	4	US-09-621-976-9964	Sequence 9964, Ap
C 270	15.8	71.8	10465	4	US-09-949-016-13136	Sequence 13136, A	Sequence 13136, A	343	15.6	70.9	515	3	US-09-489-039A-2736	Sequence 2736, Ap
C 271	15.8	71.8	12695	4	US-09-949-016-16775	Sequence 16775, A	Sequence 16775, A	344	15.6	70.9	530	4	US-09-276-531-121	Sequence 121, App
C 272	15.8	71.8	12951	4	US-09-949-016-16744	Sequence 16744, A	Sequence 16744, A	345	15.6	70.9	530	4	US-09-702-705-505	Sequence 505, App
C 273	15.8	71.8	14621	4	US-09-949-016-16547	Sequence 16547, A	Sequence 16547, A	346	15.6	70.9	530	4	US-09-736-457-505	Sequence 505, App
C 274	15.8	71.8	16302	4	US-09-949-016-17212	Sequence 17212, A	Sequence 17212, A	347	15.6	70.9	530	4	US-09-614-124B-505	Sequence 505, App
C 275	15.8	71.8	18947	4	US-09-949-016-15106	Sequence 15106, A	Sequence 15106, A	348	15.6	70.9	530	4	US-09-671-325-505	Sequence 505, App
C 276	15.8	71.8	19253	4	US-09-949-016-15131	Sequence 15131, A	Sequence 15131, A	349	15.6	70.9	530	4	US-09-589-184-505	Sequence 505, App
C 277	15.8	71.8	23155	4	US-09-949-016-12366	Sequence 12366, A	Sequence 12366, A	350	15.6	70.9	536	4	US-09-658-824-505	Sequence 505, App
C 278	15.8	71.8	23319	4	US-09-949-016-14407	Sequence 14407, A	Sequence 14407, A	351	15.6	70.9	540	4	US-09-621-976-17340	Sequence 17340, Ap
C 279	15.8	71.8	28555	4	US-09-949-016-13106	Sequence 13106, A	Sequence 13106, A	352	15.6	70.9	601	4	US-09-949-016-17715	Sequence 17715, A
C 280	15.8	71.8	34531	4	US-09-949-016-14604	Sequence 14604, A	Sequence 14604, A	353	15.6	70.9	601	4	US-09-949-016-22201	Sequence 22201, A
C 281	15.8	71.8	40348	4	US-09-949-016-13317	Sequence 13317, A	Sequence 13317, A	354	15.6	70.9	601	4	US-09-949-016-27429	Sequence 27429, A
C 282	15.8	71.8	40817	4	US-09-949-016-15197	Sequence 15197, A	Sequence 15197, A	355	15.6	70.9	601	4	US-09-949-016-29172	Sequence 29172, A
C 283	15.8	71.8	40936	4	US-09-949-016-16607	Sequence 16607, A	Sequence 16607, A	356	15.6	70.9	601	4	US-09-949-016-31119	Sequence 31119, A
C 284	15.8	71.8	40936	4	US-09-949-016-16607	Sequence 16607, A	Sequence 16607, A	357	15.6	70.9	601	4	US-09-949-016-31119	Sequence 31119, A
C 285	15.8	71.8	41589	4	US-09-949-016-12867	Sequence 12867, A	Sequence 12867, A	358	15.6	70.9	601	4	US-09-949-016-33990	Sequence 33990, A
C 286	15.8	71.8	41593	4	US-09-949-016-15666	Sequence 15666, A	Sequence 15666, A	359	15.6	70.9	601	4	US-09-949-016-38675	Sequence 38675, A
C 287	15.8	71.8	51273	4	US-09-949-016-13018	Sequence 13018, A	Sequence 13018, A	360	15.6	70.9	601	4	US-09-949-016-38676	Sequence 38676, A
C 288	15.8	71.8	51822	4	US-09-949-016-15233	Sequence 15233, A	Sequence 15233, A	361	15.6	70.9	601	4	US-09-949-016-42971	Sequence 42971, A
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C 290	15.8	71.8	53577	3	US-08-658-136-1	Sequence 1, Appli	Sequence 1, Appli	363	15.6	70.9	601	4	US-09-949-016-47357	Sequence 47357, A
C 291	15.8	71.8	56594	4	US-09-949-016-12568	Sequence 12568, A	Sequence 12568, A	364	15.6	70.9	601	4	US-09-949-016-51308	Sequence 51308, A
C 292	15.8	71.8	56702	4	US-09-949-016-15423	Sequence 15423, A	Sequence 15423, A	365	15.6	70.9	601	4	US-09-949-016-68671	Sequence 68671, A
C 293	15.8	71.8	58133	4	US-09-949-016-16464	Sequence 16464, A	Sequence 16464, A	366	15.6	70.9	601	4	US-09-949-016-68672	Sequence 68672, A
C 294	15.8	71.8	62776	4	US-09-949-016-17576	Sequence 17576, A	Sequence 17576, A	367	15.6	70.9	601	4	US-09-949-016-69295	Sequence 69295, A
C 295	15.8	71.8	71645	4	US-09-949-016-12126	Sequence 12126, A	Sequence 12126, A	368	15.6	70.9	601	4	US-09-949-016-108542	Sequence 108542, A
C 296	15.8	71.8	71651	4	US-09-949-016-17258	Sequence 17258, A	Sequence 17258, A	369	15.6	70.9	601	4	US-09-949-016-117166	Sequence 117166, A
C 297	15.8	71.8	76164	4	US-09-949-016-12288	Sequence 12288, A	Sequence 12288, A	370	15.6	70.9	601	4	US-09-949-016-117872	Sequence 117872, A
C 298	15.8	71.8	76165	4	US-09-949-016-14005	Sequence 14005, A	Sequence 14005, A	371	15.6	70.9	601	4	US-09-949-016-117873	Sequence 117873, A
C 299	15.8	71.8	7820	4	US-09-949-016-12710	Sequence 12710, A	Sequence 12710, A	372	15.6	70.9	601	4	US-09-949-016-117924	Sequence 117924, A
C 300	15.8	71.8	78720	4	US-09-949-016-17283	Sequence 17283, A	Sequence 17283, A	373	15.6	70.9	601	4	US-09-949-016-117925	Sequence 117925, A
C 301	15.8	71.8	85869	4	US-09-949-016-12017	Sequence 12017, A	Sequence 12017, A	374	15.6	70.9	601	4	US-09-949-016-117976	Sequence 117976, A
C 302	15.8	71.8	85878	4	US-09-949-016-16321	Sequence 16321, A	Sequence 16321, A	375	15.6	70.9	601	4	US-09-949-016-117977	Sequence 117977, A
C 303	15.8	71.8	87190	4	US-09-949-016-16335	Sequence 16335, A	Sequence 16335, A	376	15.6	70.9	601	4	US-09-949-016-118028	Sequence 118028, A
C 304	15.8	71.8	89625	4	US-09-949-016-17012	Sequence 17012, A	Sequence 17012, A	377	15.6	70.9	601	4	US-09-949-016-118029	Sequence 118029, A
C 305	15.8	71.8	102409	4	US-09-949-016-15148	Sequence 15148, A	Sequence 15148, A	378	15.6	70.9	601	4	US-09-949-016-121476	Sequence 121476, A
C 306	15.8	71.8	106450	4	US-09-949-016-13873	Sequence 13873, A	Sequence 13873, A	379	15.6	70.9	601	4	US-09-949-016-122716	Sequence 122716, A
C 307	15.8	71.8	109690	4	US-09-949-016-13525	Sequence 13525, A	Sequence 13525, A	380	15.6	70.9	601	4	US-09-949-016-122717	Sequence 122717, A
C 308	15.8	71.8	131332	4	US-09-949-016-15535	Sequence 15535, A	Sequence 15535, A	381	15.6	70.9	601	4	US-09-949-016-122718	Sequence 122718, A
C 309	15.8	71.8	137753	4	US-09-949-016-17404	Sequence 17404, A	Sequence 17404, A	382	15.6	70.9	601	4	US-09-949-016-122728	Sequence 122728, A
C 310	15.8	71.8	152331	3	US-09-128-155-16	Sequence 16, Appli	Sequence 16, Appli	383	15.6	70.9	601	4	US-09-949-016-122729	Sequence 122729, A
C 311	15.8	71.8	165841	4	US-09-949-016-16192	Sequence 16192, A	Sequence 16192, A	384	15.6	70.9	601	4	US-09-949-016-122730	Sequence 122730, A
C 312	15.8	71.8	176373	3	US-09-128-155-17	Sequence 17, Appli	Sequence 17, Appli	385	15.6	70.9	601	4	US-09-949-016-124610	Sequence 124610, A
C 313	15.8	71.8	187136	4	US-09-949-016-17231	Sequence 17231, A	Sequence 17231, A	386	15.6	70.9	601	4	US-09-949-016-125037	Sequence 125037, A
C 314	15.8	71.8	247299	4	US-09-949-016-17590	Sequence 17590, A	Sequence 17590, A	387	15.6	70.9	601	4	US-09-949-016-125038	Sequence 125038, A
C 315	15.8	71.8	276237	4	US-09-949-016-17504	Sequence 17504, A	Sequence 17504, A	388	15.6	70.9	601	4	US-09-949-016-125089	Sequence 125089, A
C 316	15.8	71.8	301828	4	US-09-949-016-13969	Sequence 13969, A	Sequence 13969, A	389	15.6	70.9	601	4	US-09-949-016-125090	Sequence 125090, A
C 317	15.8	71.8	304533	4	US-09-949-016-15371	Sequence 15371, A	Sequence 15371, A	390	15.6	70.9	601	4	US-09-949-016-125141	Sequence 12

; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14010
; LENGTH: 34408
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..-(34408)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14010

Query Match 83.6%; Score 18.4; DB 4; Length 34408;
Best Local Similarity 95.0%; Pred. No. 1e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
|||||
DB 1839 TTCCCATCTCTCTTTCTTT 1820

RESULT 3
US-09-248-796A-10881
; Sequence 10881, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 10881
; LENGTH: 366
; TYPE: DNA
; ORGANISM: Candida albicans
US-09-248-796A-10881

Query Match 80.9%; Score 17.8; DB 4; Length 366;
Best Local Similarity 90.5%; Pred. No. 1.1e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTTCTTT 22
|||||
DB 138 ATTCCCATCTCTCTTTCTTT 158

RESULT 4
US-09-016-80901
; Sequence 80901, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 80901
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-80901

Query Match 80.9%; Score 17.8; DB 4; Length 601;
Best Local Similarity 90.5%; Pred. No. 1.2e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTTCTTT 22
|||||
DB 227 ATTCCCATCTCTCTTTCTTT 247

RESULT 5

US-09-949-016-111397/c
; Sequence 111397, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 111397
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-111397

Query Match 80.9%; Score 17.8; DB 4; Length 601;
Best Local Similarity 90.5%; Pred. No. 1.2e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTTCTTT 22
|||||
DB 36 ATTCCCATCTCTCTTTCTTT 16

RESULT 6

US-09-248-796A-2809/c
; Sequence 2809, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13

; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 2809
; LENGTH: 711
; TYPE: DNA
; ORGANISM: Candida albicans
US-09-248-796A-2809

Query Match 80.9%; Score 17.8; DB 4; Length 711;
Best Local Similarity 90.5%; Pred. No. 1.2e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTTT 22
|||||
Db 600 ATTCCCATCTCTTTCTTT 580
|||||

RESULT 7
US-09-949-016-14816
; Sequence 14816, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14816
; LENGTH: 45086
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14816

Query Match 80.9%; Score 17.8; DB 4; Length 45086;
Best Local Similarity 90.5%; Pred. No. 1.9e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTTT 22
|||||
Db 30163 ATTCCCATCTCTTTCTTT 30183
|||||

RESULT 8
US-09-949-016-13408
; Sequence 13408, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13408
; LENGTH: 49378

; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13408

Query Match 80.9%; Score 17.8; DB 4; Length 49378;
Best Local Similarity 90.5%; Pred. No. 2e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTTT 22
|||||
Db 5375 ATTCCCATCTCTTTCTTT 5395
|||||

RESULT 9
US-09-949-016-14083/c
; Sequence 14083, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14083
; LENGTH: 199471
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1)-(199471)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14083

Query Match 80.9%; Score 17.8; DB 4; Length 199471;
Best Local Similarity 90.5%; Pred. No. 2.3e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTTT 22
|||||
Db 25857 ATTCCCATCTCTCTCTTT 25837
|||||

RESULT 10
US-09-949-016-69074/c
; Sequence 69074, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 69074
; LENGTH: 601
; TYPE: DNA

; ORGANISM: Human
US-09-949-016-69074

Query Match 79.1%; Score 17.4; DB 4; Length 601;
Best Local Similarity 94.7%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTCT 20
|||||
DB 331 ATTCCCATCTCTCTTCT 313

RESULT 11

US-09-949-016-137497/c
; Sequence 137497, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 137497
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-137497

Query Match 79.1%; Score 17.4; DB 4; Length 601;
Best Local Similarity 94.7%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GATTCCTCATCTCTCTTTC 19
|||||
DB 539 GATTCCTCATCTCTCTTTC 521

RESULT 12

US-09-949-016-16528/c
; Sequence 16528, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16528
; LENGTH: 19503
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16528

Query Match 79.1%; Score 17.4; DB 4; Length 19503;
Best Local Similarity 94.7%; Pred. No. 2.6e+02;

Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 4 TCCCATCTCTCTTCTTT 22
|||||
DB 3766 TCCCATCTCTCTTCTTT 3748

RESULT 13

US-09-949-016-12500
; Sequence 12500, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12500
; LENGTH: 53336
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12500

Query Match 79.1%; Score 17.4; DB 4; Length 53336;
Best Local Similarity 94.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 TCCCATCTCTCTTCTTT 22
|||||
DB 8772 TCCCATCTCTCTTCTTT 8790

RESULT 14

US-09-949-016-16092
; Sequence 16092, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16092
; LENGTH: 53337
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16092

Query Match 79.1%; Score 17.4; DB 4; Length 53337;
Best Local Similarity 94.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 TCCCATCTCTCTTCTTT 22
|||||
DB 8772 TCCCATCTCTCTTCTTT 8790

RESULT 15
US-09-949-016-13769
; Sequence 13769, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13769
; LENGTH: 58844
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13769

Query Match 79.1%; Score 17.4; DB 4; Length 58844;
Best Local Similarity 94.7%; Pred. No. 3e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 2 ATTCCCATCTCTCTTCT 20
DB 16891 ATTCCCATCTCTCTCTCT 16909

RESULT 16
US-09-949-016-15606/c
; Sequence 15606, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15606
; LENGTH: 96739
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1) - (96739)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15606

Query Match 79.1%; Score 17.4; DB 4; Length 96739;
Best Local Similarity 94.7%; Pred. No. 3.1e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 GATTCCTCTCTCTCTTTC 19
DB 35830 GATTCCTCTCTCTCTTTC 35812

RESULT 17
US-09-621-976-9098/c
; Sequence 9098, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTS and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621.976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 9098
; LENGTH: 429
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-9098

Query Match 78.2%; Score 17.2; DB 4; Length 429;
Best Local Similarity 86.4%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1 GATTCCTCTCTCTCTTCTT 22
DB 412 GATTCCTCTCTCTCTTCTT 391

RESULT 18
US-09-308-386A-2
; Sequence 2, Application US/09308386A
; Patent No. 6605704
; GENERAL INFORMATION:
; APPLICANT: Tatsuo, SUGIYAMA et al.
; TITLE OF INVENTION: PLANT REGULATOR PROTEIN AND NUCLEIC ACID CODING FOR THE SAME
; FILE REFERENCE: 0760-0266P
; CURRENT APPLICATION NUMBER: US/09/308,386A
; CURRENT FILING DATE: 1999-07-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 813
; TYPE: DNA
; ORGANISM: Maize
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (76) .. (546)
US-09-308-386A-2

Query Match 78.2%; Score 17.2; DB 4; Length 813;
Best Local Similarity 86.4%; Pred. No. 2.2e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1 GATTCCTCTCTCTCTTCTT 22
DB 599 GATTCCTCTCTCTCTTCTT 620

RESULT 19
US-09-372-422A-29/c
; Sequence 29, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31

; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 29
; LENGTH: 1087
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (125)...(872)
US-09-372-422A-29

Query Match 78.2%; Score 17.2; DB 3; Length 1087;
Best Local Similarity 86.4%; Pred. No. 2.3e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GATTCCTCCATCTCTCTTTCTTT 22
Db 134 GCTTCCCATCTCTCTCTCTCT 113

RESULT 20
US-09-979-765-1/c

; Sequence 1, Application US/09979765
; Patent No. 6794154
; GENERAL INFORMATION:
; APPLICANT: Masaya YAMANOUCHI
; APPLICANT: Hiromi HASE
; APPLICANT: Akiko HONDA
; APPLICANT: Takeshi SUGAYA
; TITLE OF INVENTION: Therapeutic Agents for Renal Diseases and Method for Screening th
; FILE REFERENCE: 0020-4935P
; CURRENT APPLICATION NUMBER: US/09/979,765
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: JP 99-147635
; PRIOR FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: JP 99-266425
; PRIOR FILING DATE: 1999-09-21
; NUMBER OF SEQ ID NOS: 1
; SEQ ID NO 1
; LENGTH: 5357
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (4767)...(4835)
; NAME/KEY: Intron
; LOCATION: (4836)...
; NAME/KEY: TATA signal
; LOCATION: (4691)...(4697)
; NAME/KEY: misc signal
; LOCATION: (4136)...(4141)
; OTHER INFORMATION: GATA_signal
; NAME/KEY: misc binding
; LOCATION: (4654)...(4659)
; OTHER INFORMATION: peroxisome proliferator responsive element (PPRE)
; NAME/KEY: misc binding
; LOCATION: (4661)...(4666)
; OTHER INFORMATION: peroxisome proliferator responsive element (PPRE)
; NAME/KEY: misc binding
; LOCATION: (4544)...(4551)
; OTHER INFORMATION: hepatic nuclear factor (HNF) binding-site
; NAME/KEY: misc binding
; LOCATION: (3758)...(3765)
; OTHER INFORMATION: hypoxia inducible factor (HIF) binding-site
US-09-979-765-1

Query Match 78.2%; Score 17.2; DB 4; Length 5357;
Best Local Similarity 86.4%; Pred. No. 2.8e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GATTCCTCCATCTCTCTTTCTTT 22
Db 2415 GAATCCCATCCATCTCTTTCTTT 2394

RESULT 21

US-09-949-016-17377
; Sequence 17377, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17377
; LENGTH: 16216
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(16216)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17377

Query Match 78.2%; Score 17.2; DB 4; Length 16216;
Best Local Similarity 86.4%; Pred. No. 3.1e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GATTCCTCCATCTCTCTTTCTTT 22
Db 7642 GAGACCCCATCTCTCTCTTT 7663

RESULT 22

US-09-949-016-17107/c
; Sequence 17107, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17107
; LENGTH: 41454
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17107

Query Match 78.2%; Score 17.2; DB 4; Length 41454;
Best Local Similarity 86.4%; Pred. No. 3.5e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GATTCCTCCATCTCTCTTTCTTT 22
Db 13391 GAGACCCCATCTCTATTCTTT 13370

```
RESULT 23
US-09-949-016-13547/c
; Sequence 13547, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13547
; LENGTH: 46085
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(46085)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13547

Query Match      78.2%; Score 17.2; DB 4; Length 46085;
Best Local Similarity 86.4%; Pred. No. 3.5e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GATTCCTCATCTCTCTCTTT 22
Db 1423 GTTCCCTCTCTCTCTCTTT 1402

RESULT 24
US-09-949-016-13548/c
; Sequence 13548, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13548
; LENGTH: 46085
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(46085)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13548

Query Match      78.2%; Score 17.2; DB 4; Length 46085;
Best Local Similarity 86.4%; Pred. No. 3.5e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GATTCCTCATCTCTCTCTTT 22
Db 1423 GTTCCCTCTCTCTCTTT 1402

RESULT 25
US-09-949-016-14693/c
; Sequence 14693, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14693
; LENGTH: 85122
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(85122)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14693

Query Match      78.2%; Score 17.2; DB 4; Length 85122;
Best Local Similarity 86.4%; Pred. No. 3.7e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GATTCCTCATCTCTCTCTTT 22
Db 19568 GATTCCTATCTCTCTTT 19547

RESULT 26
US-09-949-016-15403/c
; Sequence 15403, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15403
; LENGTH: 98864
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(98864)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15403

Query Match      78.2%; Score 17.2; DB 4; Length 98864;
Best Local Similarity 86.4%; Pred. No. 3.8e+02;
```

Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GATTCCTCATCTCTCTCTTTT 22
||||| ||||| ||||| |||||
Db 21053 GATTCACCTCTGCTCTTTT 21032

RESULT 27
US-10-148-806-3/c
; Sequence 3, Application US/10148806
; Patent No. 6762042
; GENERAL INFORMATION:
; APPLICANT: Bai, Chang
; APPLICANT: Metzger, Michael
; APPLICANT: Liu, Xiaomei
; TITLE OF INVENTION: DNA MOLECULES ENCODING HUMAN NHL, A DNA
; FILE REFERENCE: 20585P
; CURRENT APPLICATION NUMBER: US/10/148,806
; PRIOR FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: US00/33065
; PRIOR FILING DATE: 2000-12-09
; PRIOR APPLICATION NUMBER: 60/169,970
; PRIOR FILING DATE: 1999-12-09
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 114793
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-148-806-3

Query Match 78.2%; Score 17.2; DB 4; Length 114793;
Best Local Similarity 86.4%; Pred. No. 3.9e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GATTCCTCATCTCTCTCTTTT 22
||||| ||||| ||||| |||||
Db 46517 GTTTCCTCTCTCTCTCTTTT 46496

RESULT 28
US-09-949-016-12507/c
; Sequence 12507, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12507
; LENGTH: 119214
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(119214)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12507

Query Match 78.2%; Score 17.2; DB 4; Length 119214;
Best Local Similarity 86.4%; Pred. No. 3.9e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GATTCCTCATCTCTCTCTTTT 22
||||| ||||| ||||| |||||
Db 54211 GATTCCTATCTCTCTCTTTT 54190

RESULT 29
US-09-949-016-13404
; Sequence 13404, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13404
; LENGTH: 237863
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13404

Query Match 78.2%; Score 17.2; DB 4; Length 237863;
Best Local Similarity 86.4%; Pred. No. 4.1e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GATTCCTCATCTCTCTCTTTT 22
||||| ||||| ||||| |||||
Db 167208 GTTTCCTATCTCTCTCTCT 167229

RESULT 30
US-09-513-999C-29029/c
; Sequence 29029, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milné Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; FILE REFERENCE: 59 US2 REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 29029
; LENGTH: 170
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 51
; OTHER INFORMATION: v=a or c or g
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 52
; OTHER INFORMATION: n=a, g, c or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 53
; OTHER INFORMATION: n=a, g, c or t

FEATURE:
NAME/KEY: misc_feature
LOCATION: 72
OTHER INFORMATION: r=a or g
FEATURE:
NAME/KEY: misc_feature
LOCATION: 89
OTHER INFORMATION: s=g or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: 146
OTHER INFORMATION: r=a or g
FEATURE:
NAME/KEY: misc_feature
LOCATION: 147
OTHER INFORMATION: m=a or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: 152
OTHER INFORMATION: r=a or g
FEATURE:
NAME/KEY: misc_feature
LOCATION: 153
OTHER INFORMATION: r=a or g
FEATURE:
NAME/KEY: misc_feature
LOCATION: 170
OTHER INFORMATION: s=g or c
US-09-513-999C-29029

Query Match 76.4%; Score 16.8; DB 4; Length 170;
Best Local Similarity 75.0%; Pred. No. 2.8e+02;
Matches 15; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
|||||:|||||:
Db 162 TTCCCATCTCTCTTTCTTT 143

RESULT 31
US-08-332-766A-23/c
Sequence 23, Application US/08332766A
Patent No. 5843647
GENERAL INFORMATION:
APPLICANT: JEFFREYS, Alec J.
APPLICANT: ARMOUR, John
TITLE OF INVENTION: SIMPLE TANDEM REPEATS
NUMBER OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
ADDRESSER: CUSHMAN DABBY & CUSHMAN, L.L.P.
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D. C.
COUNTRY: U.S.A.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/332,766A
FILING DATE: 01-NOV-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9326052.9
FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: Bird, Donald J.
REGISTRATION NUMBER: 25,323
REFERENCE/DOCKET NUMBER: 217211/M94/0434/GB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861-3000

TELEFAX: (202) 822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 301 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-332-766A-23

Query Match 76.4%; Score 16.8; DB 2; Length 301;
Best Local Similarity 90.0%; Pred. No. 3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
|||||:|||||:
Db 117 TTCCCATCTCTCTTTCTTT 98

RESULT 32
US-09-513-999C-32790
Sequence 32790, Application US/09513999C
Patent No. 6783961
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Duclert, A.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
Patent No. 6783961
FILE REFERENCE: 59.US2.REG
CURRENT APPLICATION NUMBER: US/09/513,999C
CURRENT FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent.pm
SEQ ID NO 32790
LENGTH: 344
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 102
OTHER INFORMATION: s=g or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: 107
OTHER INFORMATION: r=a or g
FEATURE:
NAME/KEY: misc_feature
LOCATION: 109
OTHER INFORMATION: r=a or g
FEATURE:
NAME/KEY: misc_feature
LOCATION: 110
OTHER INFORMATION: h=a or c or t
FEATURE:
NAME/KEY: misc_feature
LOCATION: 172
OTHER INFORMATION: k=g or t
US-09-513-999C-32790

Query Match 76.4%; Score 16.8; DB 4; Length 344;
Best Local Similarity 90.0%; Pred. No. 3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTTCTTT 21
|||||:|||||:
Db 59 ATTCCCATCTCTTTCTTT 78

RESULT 33

US-09-488-744A-10/c
; Sequence 10, Application US/09488744A
; Patent No. 6287860
; GENERAL INFORMATION:

; APPLICANT: Brett P. Monia
; APPLICANT: William Gaarde
; APPLICANT: Donna T. Ward
; APPLICANT: Susan M. Freier
; APPLICANT: Jacqueline Wyatt

; TITLE OF INVENTION: ANTISENSE MODULATION OF MEK2 EXPRESSION

; FILE REFERENCE: RTS-0108

; CURRENT APPLICATION NUMBER: US/09/488,744A

; CURRENT FILING DATE: 2000-01-20

; NUMBER OF SEQ ID NOS: 88

; SEQ ID NO 10

; LENGTH: 521

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)...(240)

US-09-488-744A-10

Query Match 76.4%; Score 16.8; DB 3; Length 521;

Best Local Similarity 90.0%; Pred. No. 3.2e+02;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22

DB 341 TCCCATCTCTCTTTCTTT 322

RESULT 34

US-09-949-016-53550

; Sequence 53550, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 53550

; LENGTH: 601

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-53550

Query Match

Best Local Similarity 76.4%; Score 16.8; DB 4; Length 601;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22

DB 138 TTCCCATCTCTTTCTTT 157

RESULT 35

US-09-949-016-133079

; Sequence 133079, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 133079

; LENGTH: 601

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-133079

Query Match

Best Local Similarity 76.4%; Score 16.8; DB 4; Length 601;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22

DB 400 TTCCCATCTCTCTTTCTTT 419

RESULT 36

US-09-949-016-133080

; Sequence 133080, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 133080

; LENGTH: 601

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-133080

Query Match

Best Local Similarity 76.4%; Score 16.8; DB 4; Length 601;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22

DB 158 TTCCCATCTCTCTTTCTTT 177

RESULT 37

US-09-949-016-140928

; Sequence 140928, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 140928
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-140928

Query Match 76.4%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 3.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
|||||
Db 470 TTCCCATCTCTCTTTCTTT 489
|||||

RESULT 38
US-09-949-016-156380
; Sequence 156380, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 156380
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-156380

Query Match 76.4%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 3.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTTCTTT 21
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Db 444 ATTCCCATCTCTCTTTCTTT 463
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RESULT 39
US-09-949-016-160881/c
; Sequence 160881, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 160881
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-160881

Query Match 76.4%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 3.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
|||||
Db 328 TTCCCATCTCTTTTCTTT 309
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RESULT 40
US-09-949-016-160882/c
; Sequence 160882, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 160882
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-160882

Query Match 76.4%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 3.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
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Db 226 TTCCCATCTCTTTTCTTT 207
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RESULT 41
US-09-949-016-196595
; Sequence 196595, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 196595
; LENGTH: 601
; TYPE: DNA

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; ORGANISM: Human
US-09-949-016-196595

Query Match
Best Local Similarity 76.4%; Score 16.8; DB 4; Length 601;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
    ||||| ||||| ||||| |||||
Db 276 TTCCCTCTCTCTTTCTTT 295
    ||||| ||||| ||||| |||||

RESULT 42
US-09-949-016-196596
; Sequence 196596, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 196596
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-196596

Query Match
Best Local Similarity 76.4%; Score 16.8; DB 4; Length 601;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
    ||||| ||||| ||||| |||||
Db 128 TTCCCTCTCTCTTTCTTT 147
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RESULT 43
US-09-949-016-202254/c
; Sequence 202254, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 202254
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-202254

Query Match
Best Local Similarity 76.4%; Score 16.8; DB 4; Length 601;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
    ||||| ||||| ||||| |||||
Db 155 TCCCCCTCTCTCTTTCTTT 136
    ||||| ||||| ||||| |||||

RESULT 44
US-09-248-796A-2987/c
; Sequence 2987, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 2987
; LENGTH: 675
; TYPE: DNA
; ORGANISM: Candida albicans
US-09-248-796A-2987

Query Match
Best Local Similarity 76.4%; Score 16.8; DB 4; Length 675;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
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Db 305 TTCCCATGTCCTCTTTCT 286
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RESULT 45
US-09-270-767-4587
; Sequence 4587, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4587
; LENGTH: 865
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-4587

Query Match
Best Local Similarity 76.4%; Score 16.8; DB 4; Length 865;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
    ||||| ||||| ||||| |||||
Db 764 TTCCCATCTGACTTTCTTT 783
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RESULT 46
US-09-270-767-19869
; Sequence 19869, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
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; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19869
; LENGTH: 865
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-19869

Query Match 76.4%; Score 16.8; DB 4; Length 865;
Best Local Similarity 90.0%; Pred. No. 3.4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTCTTT 22
|||||
Db 764 TTCCCATCTGACTTCTTT 783
|||||

RESULT 47
US-09-641-638-17
; Sequence 17, Application US/09641638
; Patent No. 6432648
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Chumakov, Ilya
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; FILE REFERENCE: GENSET.051CPI
; CURRENT APPLICATION NUMBER: US/09/641,638
; CURRENT FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 1304
; SOFTWARE: Patent.pm
; SEQ ID NO 17
; LENGTH: 955
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 478
; OTHER INFORMATION: 10-33-327 : polymorphic base C or T
; NAME/KEY: misc_binding
; LOCATION: 459..477
; OTHER INFORMATION: 10-33-327.mis1
; NAME/KEY: misc_binding
; LOCATION: 479..498
; OTHER INFORMATION: 10-33-327.mis2, potential complement
; NAME/KEY: primer_bind
; LOCATION: 152..170
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer_bind
; LOCATION: 553..571
; OTHER INFORMATION: downstream amplification primer, complement
; NAME/KEY: misc_binding
; LOCATION: 466..490
; OTHER INFORMATION: 10-33-327 potential probe
US-09-641-638-17

Query Match 76.4%; Score 16.8; DB 3; Length 955;
Best Local Similarity 90.0%; Pred. No. 3.4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTCTTT 22

Db 895 TTCCCATCTCTCTTCTTT 914
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RESULT 48
US-10-170-097-17
; Sequence 17, Application US/10170097
; Patent No. 6794143
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Chumakov, Ilya
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; FILE REFERENCE: GEN-T114XC2D1
; CURRENT APPLICATION NUMBER: US/10/170,097
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: US 09/641,638
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 1304
; SOFTWARE: Patent.pm
; SEQ ID NO 17
; LENGTH: 955
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 478
; OTHER INFORMATION: 10-33-327 : polymorphic base C or T
; FEATURE:
; NAME/KEY: misc_binding
; LOCATION: 459..477
; OTHER INFORMATION: 10-33-327.mis1
; FEATURE:
; NAME/KEY: misc_binding
; LOCATION: 479..498
; OTHER INFORMATION: 10-33-327.mis2, potential complement
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 152..170
; OTHER INFORMATION: upstream amplification primer
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 553..571
; OTHER INFORMATION: downstream amplification primer, complement
; FEATURE:
; NAME/KEY: misc_binding
; LOCATION: 466..490
; OTHER INFORMATION: 10-33-327 potential probe
US-10-170-097-17

Query Match 76.4%; Score 16.8; DB 4; Length 955;
Best Local Similarity 90.0%; Pred. No. 3.4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTCTTT 22
|||||
Db 895 TTCCCATCTCTCTTCTTT 914
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RESULT 49
US-09-270-767-5221/c
; Sequence 5221, Application US/09270767
; Patent No. 6703491

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; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5221
; LENGTH: 1041
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
; US-09-270-767-5221

Query Match      76.4%; Score 16.8; DB 4; Length 1041;
Best Local Similarity 90.0%; Pred. No. 3.4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      3  TTCCCATCTCTCTTTCTTT 22
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Db      1022 TTCCCATCTCTCGCTCTT 1003

RESULT 50
US-09-270-767-20503/c
; Sequence 20503, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20503
; LENGTH: 1041
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
; US-09-270-767-20503

Query Match      76.4%; Score 16.8; DB 4; Length 1041;
Best Local Similarity 90.0%; Pred. No. 3.4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      3  TTCCCATCTCTCTTTCTTT 22
      |||||
Db      1022 TTCCCATCTCTCGCTCTT 1003
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Job time : 91.3569 secs

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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:14:13 ; Search time 195.124 Seconds
(without alignments)
693.114 Million cell updates/sec

Title: US-09-909-317-1

Perfect score: 22

Sequence: 1 gattcccatctctctctttt 22

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Searched: 5706582 seqs, 3073711274 residues

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Maximum Match 100%
Listing first 500 summaries

Database : Published Applications NA:*

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- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
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- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09D_PUBCOMB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq.*
- 19: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 20: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
- 21: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 22: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	20	90.9	650	13	US-10-027-632-190184
3	20	90.9	650	17	US-10-027-632-190184
4	19	86.4	32189	9	US-09-764-878-379
5	19	86.4	32189	14	US-10-079-854-379
6	19	86.4	32221	9	US-09-764-878-377
7	19	86.4	32221	14	US-10-079-854-377
8	18.8	85.5	1334	15	US-10-180-375-7
9	18.8	85.5	1334	17	US-10-183-687-23
10	18.4	83.6	284	17	US-10-424-599-92893
11	18.4	83.6	1309	17	US-10-424-599-59036

c 12	18.4	83.6	6351	15	US-10-311-455-1419	Sequence 1419, Ap
c 13	18.4	83.6	6351	17	US-10-221-613-191	Sequence 191, Appl
c 14	18.4	83.6	23695	18	US-10-433-793-11	Sequence 11, Appl
c 15	18.4	83.6	54016	19	US-10-741-600-17886	Sequence 17886, A
c 16	18.4	83.6	127678	19	US-10-461-862-9	Sequence 9, Appl
c 17	18.4	83.6	189817	18	US-10-741-601-5660	Sequence 5660, Ap
c 18	18.4	83.6	189817	19	US-10-741-600-17685	Sequence 17685, A
c 19	18	81.8	500	17	US-10-242-535A-26433	Sequence 26433, A
c 20	18	81.8	500	17	US-10-085-783A-26433	Sequence 26433, A
c 21	18	81.8	73764	18	US-10-741-601-5616	Sequence 5616, Ap
c 22	17.8	80.9	324	17	US-10-424-599-31004	Sequence 31004, A
c 23	17.8	80.9	363	18	US-10-674-124A-23460	Sequence 23460, A
c 24	17.8	80.9	571	13	US-10-027-632-206913	Sequence 206913, A
c 25	17.8	80.9	571	13	US-10-027-632-206915	Sequence 206915, A
c 26	17.8	80.9	571	17	US-10-027-632-206913	Sequence 206913, A
c 27	17.8	80.9	571	17	US-10-027-632-206915	Sequence 206915, A
c 28	17.8	80.9	571	18	US-10-425-115-48053	Sequence 48053, A
c 29	17.8	80.9	1143	13	US-10-027-632-206914	Sequence 206914, A
c 30	17.8	80.9	1143	17	US-10-027-632-206914	Sequence 206914, A
c 31	17.8	80.9	7819	15	US-10-311-455-1925	Sequence 1925, Ap
c 32	17.8	80.9	7819	15	US-10-240-485-159	Sequence 159, Appl
c 33	17.8	80.9	20158	18	US-10-719-993-6760	Sequence 6760, Ap
c 34	17.8	80.9	49600	17	US-10-459-262A-3	Sequence 3, Appl
c 35	17.8	80.9	91552	17	US-10-415-058-5	Sequence 5, Appl
c 36	17.8	80.9	96595	11	US-09-997-722-43	Sequence 43, Appl
c 37	17.8	80.9	2940917	13	US-10-027-632-174763	Sequence 174763, A
c 38	17.8	80.9	2940917	17	US-10-027-632-174763	Sequence 174763, A
c 39	17.4	79.1	201	19	US-10-741-600-26828	Sequence 26828, A
c 40	17.4	79.1	720	13	US-10-027-632-101998	Sequence 101998, A
c 41	17.4	79.1	720	17	US-10-027-632-101998	Sequence 101998, A
c 42	17.4	79.1	1386	17	US-10-424-599-94947	Sequence 94947, A
c 43	17.4	79.1	1420	18	US-10-767-701-12634	Sequence 12634, A
c 44	17.4	79.1	1446	17	US-10-203-319A-22	Sequence 22, Appl
c 45	17.4	79.1	1446	17	US-10-203-319A-24	Sequence 24, Appl
c 46	17.4	79.1	1651	9	US-09-938-842A-2730	Sequence 2730, Ap
c 47	17.4	79.1	1651	11	US-09-938-842A-2730	Sequence 2730, Ap
c 48	17.4	79.1	3903	14	US-10-103-313-631	Sequence 631, App
c 49	17.4	79.1	24579	18	US-10-719-993-6891	Sequence 6891, Ap
c 50	17.4	79.1	26668	9	US-09-962-832-222	Sequence 222, App
c 51	17.4	79.1	26668	19	US-10-843-641A-6108	Sequence 6108, Ap
c 52	17.4	79.1	47903	18	US-10-322-281-808	Sequence 808, App
c 53	17.4	79.1	4589	18	US-10-322-281-814	Sequence 814, App
c 54	17.4	79.1	55404	13	US-10-087-192-661	Sequence 661, App
c 55	17.4	79.1	96595	17	US-10-052-482-232	Sequence 232, App
c 56	17.4	79.1	170489	18	US-10-322-281-380	Sequence 380, App
c 57	17.4	79.1	255015	19	US-10-741-600-17611	Sequence 17611, App
c 58	17.2	78.2	320	10	US-09-814-353-5859	Sequence 5859, Ap
c 59	17.2	78.2	320	10	US-09-814-353-12140	Sequence 12140, A
c 60	17.2	78.2	383	18	US-10-767-795-752	Sequence 752, App
c 61	17.2	78.2	401	10	US-09-814-353-18524	Sequence 18524, A
c 62	17.2	78.2	447	10	US-09-764-891-9232	Sequence 9232, Ap
c 63	17.2	78.2	447	14	US-10-091-572-806	Sequence 806, App
c 64	17.2	78.2	448	10	US-09-764-891-2116	Sequence 2116, Ap
c 65	17.2	78.2	448	14	US-10-091-572-147	Sequence 147, App
c 66	17.2	78.2	510	10	US-09-770-961-216	Sequence 216, App
c 67	17.2	78.2	520	13	US-10-027-632-232806	Sequence 232806, A
c 68	17.2	78.2	520	17	US-10-027-632-232806	Sequence 232806, A
c 69	17.2	78.2	548	13	US-10-027-632-295412	Sequence 295412, A
c 70	17.2	78.2	548	17	US-10-027-632-295412	Sequence 295412, A
c 71	17.2	78.2	548	17	US-10-027-632-50947	Sequence 50947, A
c 72	17.2	78.2	557	17	US-10-027-632-50947	Sequence 50947, A
c 73	17.2	78.2	557	17	US-10-027-632-50947	Sequence 50947, A
c 74	17.2	78.2	565	10	US-09-918-995-9207	Sequence 9207, Ap
c 75	17.2	78.2	565	10	US-09-918-995-9207	Sequence 9207, Ap
c 76	17.2	78.2	601	13	US-10-021-323-12400	Sequence 12400, A
c 77	17.2	78.2	601	13	US-10-027-632-93128	Sequence 93128, A
c 78	17.2	78.2	601	13	US-10-027-632-318151	Sequence 318151, A
c 79	17.2	78.2	601	17	US-10-027-632-93128	Sequence 93128, A
c 80	17.2	78.2	604	17	US-10-021-323-8316	Sequence 8316, Ap
c 81	17.2	78.2	604	17	US-10-021-323-8316	Sequence 8316, Ap
c 82	17.2	78.2	620	13	US-10-027-632-98436	Sequence 98436, A
c 83	17.2	78.2	620	17	US-10-027-632-98436	Sequence 98436, A
c 84	17.2	78.2	658	13	US-10-027-632-47196	Sequence 47196, A

231	16.8	76.4	709	13	US-10-027-632-287370	Sequence 287370,	c 304	16.8	76.4	30192	18	US-10-741-601-5669	Sequence 5669, Ap
232	16.8	76.4	709	13	US-10-027-632-287372	Sequence 287372,	c 305	16.8	76.4	30192	19	US-10-741-600-17700	Sequence 17700, A
233	16.8	76.4	709	13	US-10-027-632-287370	Sequence 287370,	c 306	16.8	76.4	30128	19	US-10-741-600-17700	Sequence 17700, A
234	16.8	76.4	709	13	US-10-027-632-287372	Sequence 287372,	c 307	16.8	76.4	38641	18	US-10-322-281-535	Sequence 535, App
235	16.8	76.4	713	13	US-10-027-632-104094	Sequence 104094,	c 308	16.8	76.4	41540	13	US-10-087-192-721	Sequence 721, App
236	16.8	76.4	713	13	US-10-027-632-324930	Sequence 324930,	c 309	16.8	76.4	42772	13	US-10-087-192-1903	Sequence 1903, Ap
237	16.8	76.4	713	17	US-10-027-632-104094	Sequence 104094,	c 310	16.8	76.4	42969	18	US-10-719-993-6845	Sequence 6845, Ap
238	16.8	76.4	713	17	US-10-027-632-324930	Sequence 324930,	c 311	16.8	76.4	42968	18	US-10-719-993-6845	Sequence 6845, Ap
239	16.8	76.4	752	13	US-10-027-632-144654	Sequence 144654,	c 312	16.8	76.4	54786	17	US-10-052-482-211	Sequence 211, App
240	16.8	76.4	752	13	US-10-027-632-144655	Sequence 144655,	c 313	16.8	76.4	54786	17	US-10-052-482-211	Sequence 211, App
241	16.8	76.4	752	17	US-10-027-632-144654	Sequence 144654,	c 314	16.8	76.4	63686	13	US-10-087-192-466	Sequence 466, App
242	16.8	76.4	752	17	US-10-027-632-144655	Sequence 144655,	c 315	16.8	76.4	63686	13	US-10-087-192-466	Sequence 466, App
243	16.8	76.4	770	18	US-10-425-115-44254	Sequence 44254, A	c 316	16.8	76.4	68824	18	US-10-719-993-7036	Sequence 7036, Ap
244	16.8	76.4	772	13	US-10-027-632-154381	Sequence 154381,	c 317	16.8	76.4	68824	18	US-10-719-993-7036	Sequence 7036, Ap
245	16.8	76.4	772	13	US-10-027-632-154382	Sequence 154382,	c 318	16.8	76.4	75729	18	US-10-741-601-5649	Sequence 5649, Ap
246	16.8	76.4	772	17	US-10-027-632-154381	Sequence 154381,	c 319	16.8	76.4	75729	18	US-10-741-601-5649	Sequence 5649, Ap
247	16.8	76.4	772	17	US-10-027-632-154382	Sequence 154382,	c 320	16.8	76.4	75729	18	US-10-741-601-5649	Sequence 5649, Ap
248	16.8	76.4	775	17	US-10-424-599-129509	Sequence 129509,	c 321	16.8	76.4	75729	18	US-10-741-601-5649	Sequence 5649, Ap
249	16.8	76.4	778	13	US-10-027-632-172884	Sequence 172884,	c 322	16.8	76.4	75729	18	US-10-741-601-5649	Sequence 5649, Ap
250	16.8	76.4	778	13	US-10-027-632-172885	Sequence 172885,	c 323	16.8	76.4	75729	18	US-10-741-601-5649	Sequence 5649, Ap
251	16.8	76.4	778	13	US-10-027-632-172886	Sequence 172886,	c 324	16.8	76.4	75729	18	US-10-741-601-5649	Sequence 5649, Ap
252	16.8	76.4	778	17	US-10-027-632-172886	Sequence 172886,	c 325	16.8	76.4	75729	18	US-10-741-601-5649	Sequence 5649, Ap
253	16.8	76.4	778	17	US-10-027-632-172885	Sequence 172885,	c 326	16.8	76.4	75729	18	US-10-741-601-5649	Sequence 5649, Ap
254	16.8	76.4	778	17	US-10-027-632-172886	Sequence 172886,	c 327	16.8	76.4	75729	18	US-10-741-601-5649	Sequence 5649, Ap
255	16.8	76.4	818	13	US-10-027-632-144656	Sequence 144656,	c 328	16.8	76.4	75729	18	US-10-741-601-5649	Sequence 5649, Ap
256	16.8	76.4	818	17	US-10-027-632-144656	Sequence 144656,	c 329	16.4	74.5	201	19	US-10-741-600-47107	Sequence 47107, A
257	16.8	76.4	848	13	US-10-027-632-159262	Sequence 159262,	c 330	16.4	74.5	201	19	US-10-741-600-47107	Sequence 47107, A
258	16.8	76.4	848	17	US-10-027-632-159262	Sequence 159262,	c 331	16.4	74.5	201	19	US-10-741-600-47107	Sequence 47107, A
259	16.8	76.4	955	17	US-10-170-097-17	Sequence 17, Appl	c 332	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
260	16.8	76.4	955	19	US-10-926-684-17	Sequence 17, Appl	c 333	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
261	16.8	76.4	963	13	US-10-027-632-121575	Sequence 121575,	c 334	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
262	16.8	76.4	963	17	US-10-027-632-121575	Sequence 121575,	c 335	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
263	16.8	76.4	964	17	US-10-424-599-108628	Sequence 108628,	c 336	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
264	16.8	76.4	1014	17	US-10-424-599-23472	Sequence 23472, A	c 337	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
265	16.8	76.4	1071	17	US-10-012-697-1441	Sequence 1441, Ap	c 338	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
266	16.8	76.4	1159	13	US-10-027-632-118073	Sequence 118073,	c 339	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
267	16.8	76.4	1159	17	US-10-027-632-118073	Sequence 118073,	c 340	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
268	16.8	76.4	1449	18	US-10-767-701-12954	Sequence 12954, A	c 341	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
269	16.8	76.4	1770	17	US-10-369-493-41341	Sequence 41341, A	c 342	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
270	16.8	76.4	1938	13	US-10-027-632-213439	Sequence 213439,	c 343	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
271	16.8	76.4	1938	17	US-10-027-632-213439	Sequence 213439,	c 344	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
272	16.8	76.4	2000	17	US-10-260-238-1926	Sequence 1926, Ap	c 345	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
273	16.8	76.4	2000	17	US-10-260-238-2282	Sequence 2282, Ap	c 346	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
274	16.8	76.4	2000	17	US-10-260-238-5980	Sequence 5980, Ap	c 347	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
275	16.8	76.4	2074	15	US-10-084-817-207	Sequence 207, App	c 348	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
276	16.8	76.4	2113	9	US-09-880-107-2411	Sequence 2411, Ap	c 349	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
277	16.8	76.4	2113	10	US-09-873-367C-449	Sequence 449, App	c 350	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
278	16.8	76.4	2113	18	US-10-717-597-229	Sequence 229, App	c 351	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
279	16.8	76.4	2113	18	US-10-370-715B-735	Sequence 735, App	c 352	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
280	16.8	76.4	2113	19	US-10-843-641A-449	Sequence 449, App	c 353	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
281	16.8	76.4	2146	18	US-10-425-115-112010	Sequence 112010,	c 354	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
282	16.8	76.4	2380	9	US-09-836-392-5	Sequence 5, Appli	c 355	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
283	16.8	76.4	2479	16	US-10-133-013-256	Sequence 256, App	c 356	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
284	16.8	76.4	2566	16.8	US-10-723-860-5365	Sequence 5365, Ap	c 357	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
285	16.8	76.4	3059	13	US-10-027-632-116028	Sequence 116028,	c 358	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
286	16.8	76.4	3059	13	US-10-027-632-116029	Sequence 116029,	c 359	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
287	16.8	76.4	3059	17	US-10-027-632-116028	Sequence 116028,	c 360	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
288	16.8	76.4	3059	17	US-10-027-632-116028	Sequence 116028,	c 361	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
289	16.8	76.4	3451	13	US-10-027-632-115204	Sequence 115204,	c 362	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
290	16.8	76.4	3451	17	US-10-027-632-115204	Sequence 115204,	c 363	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
291	16.8	76.4	4847	17	US-10-152-319A-1764	Sequence 1764, Ap	c 364	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
292	16.8	76.4	5406	15	US-10-311-455-1072	Sequence 1072, App	c 365	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
293	16.8	76.4	5406	15	US-10-157-031-127	Sequence 127, App	c 366	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
294	16.8	76.4	5829	18	US-10-723-860-6078	Sequence 6078, Ap	c 367	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
295	16.8	76.4	6123	15	US-10-311-455-794	Sequence 794, App	c 368	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
296	16.8	76.4	10133	15	US-10-311-455-431	Sequence 431, App	c 369	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
297	16.8	76.4	15941	17	US-10-380-935-31	Sequence 31, Appl	c 370	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
298	16.8	76.4	15941	17	US-10-380-935-35	Sequence 35, Appl	c 371	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
299	16.8	76.4	18918	15	US-10-311-455-1590	Sequence 1590, Ap	c 372	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
300	16.8	76.4	25411	14	US-10-208-948-25	Sequence 25, Appl	c 373	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
301	16.8	76.4	27485	18	US-10-322-281-196	Sequence 196, App	c 374	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
302	16.8	76.4	27954	18	US-10-741-601-5751	Sequence 5751, Ap	c 375	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App
303	16.8	76.4	27954	19	US-10-741-600-17911	Sequence 17911, A	c 376	16.4	74.5	260	14	US-10-062-727-718	Sequence 718, App

C 377	16.4	74.5	84248	18	US-10-433-287-77	Sequence 77, Appl	C 450	16.2	73.6	594	13	US-10-027-632-317253	Sequence 317253,
C 378	16.4	74.5	85574	17	US-10-775-169-1173	Sequence 173, App	451	16.2	73.6	594	16	US-10-029-386-9962	Sequence 9962, Ap
C 379	16.4	74.5	99973	17	US-10-085-117-109	Sequence 109, App	C 452	16.2	73.6	594	17	US-10-027-632-89798	Sequence 89798, A
C 380	16.4	74.5	116792	13	US-10-087-192-1090	Sequence 1090, App	C 453	16.2	73.6	594	17	US-10-027-632-317253	Sequence 317253,
C 381	16.4	74.5	126001	17	US-10-175-492-13	Sequence 13, Appl	454	16.2	73.6	597	18	US-10-021-323-12958	Sequence 12958, A
C 382	16.4	74.5	146778	19	US-10-741-600-17710	Sequence 17710, A	C 455	16.2	73.6	598	13	US-10-027-632-92959	Sequence 92959, A
C 383	16.4	74.5	231914	19	US-10-741-600-17654	Sequence 17654, A	C 456	16.2	73.6	598	13	US-10-027-632-92960	Sequence 92960, A
C 384	16.4	74.5	410846	19	US-10-481-613-1	Sequence 1, Appli	C 457	16.2	73.6	598	13	US-10-027-632-318124	Sequence 318124,
C 385	16.4	74.5	493631	13	US-10-087-192-205	Sequence 205, App	C 458	16.2	73.6	598	13	US-10-027-632-318125	Sequence 318125,
C 386	16.4	74.5	2162598	19	US-10-472-928-4979	Sequence 4979, Ap	C 459	16.2	73.6	598	17	US-10-027-632-92959	Sequence 92959, A
C 387	16.2	73.6	25	19	US-10-719-900-46523	Sequence 46523, Ap	C 460	16.2	73.6	598	17	US-10-027-632-92960	Sequence 92960, A
C 388	16.2	73.6	60	10	US-09-908-975-16439	Sequence 16439, A	C 461	16.2	73.6	598	17	US-10-027-632-318124	Sequence 318124,
C 389	16.2	73.6	135	14	US-10-062-727-824	Sequence 824, App	C 462	16.2	73.6	598	17	US-10-027-632-318125	Sequence 318125,
C 390	16.2	73.6	156	18	US-10-425-115-121285	Sequence 121285, A	C 463	16.2	73.6	606	13	US-10-027-632-5585	Sequence 5585, Ap
C 391	16.2	73.6	193	18	US-10-425-115-11301	Sequence 11301, A	C 464	16.2	73.6	606	13	US-10-027-632-260197	Sequence 260197,
C 392	16.2	73.6	211	9	US-09-864-761-26133	Sequence 26133, A	C 465	16.2	73.6	606	17	US-10-027-632-5585	Sequence 5585, Ap
C 393	16.2	73.6	224	18	US-10-674-1244-7244	Sequence 7244, Ap	C 466	16.2	73.6	606	17	US-10-027-632-260197	Sequence 260197,
C 394	16.2	73.6	243	18	US-10-425-115-146955	Sequence 146955, A	C 467	16.2	73.6	619	13	US-10-027-632-272913	Sequence 272913,
C 395	16.2	73.6	262	10	US-09-918-995-12855	Sequence 12855, A	C 468	16.2	73.6	619	17	US-10-027-632-272913	Sequence 272913,
C 396	16.2	73.6	279	17	US-10-609-021-65	Sequence 65, Appl	C 469	16.2	73.6	628	13	US-10-027-632-290181	Sequence 290181,
C 397	16.2	73.6	280	17	US-10-424-599-102558	Sequence 102558, A	C 470	16.2	73.6	628	17	US-10-027-632-290181	Sequence 290181,
C 398	16.2	73.6	311	18	US-10-437-963-24275	Sequence 24275, A	C 471	16.2	73.6	643	13	US-10-027-632-42809	Sequence 42809, A
C 399	16.2	73.6	354	9	US-09-867-550-189	Sequence 189, App	C 472	16.2	73.6	643	13	US-10-027-632-42808	Sequence 42808, A
C 400	16.2	73.6	371	18	US-10-437-963-31172	Sequence 31172, A	C 473	16.2	73.6	643	13	US-10-027-632-42810	Sequence 42810, A
C 401	16.2	73.6	382	9	US-09-764-853-47	Sequence 47, Appl	C 474	16.2	73.6	643	17	US-10-027-632-42808	Sequence 42808, A
C 402	16.2	73.6	384	18	US-10-437-963-73939	Sequence 73939, Ap	C 475	16.2	73.6	643	17	US-10-027-632-42809	Sequence 42809, A
C 403	16.2	73.6	387	18	US-10-674-1244-3823	Sequence 3823, Ap	C 476	16.2	73.6	643	17	US-10-027-632-42810	Sequence 42810, A
C 404	16.2	73.6	389	14	US-10-062-727-397	Sequence 397, App	C 477	16.2	73.6	650	17	US-10-027-632-42810	Sequence 42810, A
C 405	16.2	73.6	400	9	US-09-770-423-797	Sequence 797, App	C 478	16.2	73.6	650	18	US-10-468-488-132	Sequence 132, App
C 406	16.2	73.6	402	10	US-09-918-995-37299	Sequence 37299, A	C 479	16.2	73.6	672	18	US-10-767-795-2250	Sequence 2250, Ap
C 407	16.2	73.6	408	18	US-10-437-963-18486	Sequence 18486, A	C 480	16.2	73.6	681	17	US-10-369-493-24794	Sequence 24794, A
C 408	16.2	73.6	418	18	US-10-674-1244-3372	Sequence 3372, A	C 481	16.2	73.6	689	17	US-10-424-599-115960	Sequence 115960, A
C 409	16.2	73.6	422	17	US-10-424-599-9415	Sequence 9415, Ap	C 482	16.2	73.6	695	13	US-10-027-632-12729	Sequence 12729, A
C 410	16.2	73.6	438	13	US-10-027-632-60641	Sequence 60641, A	C 483	16.2	73.6	695	17	US-10-027-632-12729	Sequence 12729, A
C 411	16.2	73.6	438	13	US-10-027-632-60642	Sequence 60642, A	C 484	16.2	73.6	726	13	US-10-027-632-100017	Sequence 100017,
C 412	16.2	73.6	438	17	US-10-027-632-60642	Sequence 60642, A	C 485	16.2	73.6	726	13	US-10-027-632-100017	Sequence 100017,
C 413	16.2	73.6	438	17	US-10-027-632-60642	Sequence 60642, A	C 486	16.2	73.6	738	13	US-10-027-632-139515	Sequence 139515,
C 414	16.2	73.6	452	13	US-10-027-632-43397	Sequence 43397, A	C 487	16.2	73.6	738	13	US-10-027-632-139516	Sequence 139516,
C 415	16.2	73.6	452	13	US-10-027-632-43398	Sequence 43398, A	C 488	16.2	73.6	738	17	US-10-027-632-139516	Sequence 139516,
C 416	16.2	73.6	452	17	US-10-027-632-43398	Sequence 43398, A	C 489	16.2	73.6	738	17	US-10-027-632-139516	Sequence 139516,
C 417	16.2	73.6	452	17	US-10-027-632-43398	Sequence 43398, A	C 490	16.2	73.6	752	13	US-10-027-632-139516	Sequence 139516,
C 418	16.2	73.6	452	17	US-10-424-599-113488	Sequence 113488, A	C 491	16.2	73.6	752	13	US-10-027-632-144632	Sequence 144632,
C 419	16.2	73.6	464	9	US-09-864-761-4558	Sequence 4558, Ap	C 492	16.2	73.6	761	13	US-10-027-632-144632	Sequence 144632,
C 420	16.2	73.6	472	17	US-10-242-535A-34808	Sequence 34808, A	C 493	16.2	73.6	761	13	US-10-027-632-144633	Sequence 144633,
C 421	16.2	73.6	472	17	US-10-085-783A-34808	Sequence 34808, A	C 494	16.2	73.6	761	13	US-10-027-632-144634	Sequence 144634,
C 422	16.2	73.6	477	18	US-10-674-1244-5804	Sequence 5804, Ap	C 495	16.2	73.6	761	13	US-10-027-632-144635	Sequence 144635,
C 423	16.2	73.6	525	17	US-10-424-599-55906	Sequence 55906, A	C 496	16.2	73.6	761	17	US-10-027-632-144632	Sequence 144632,
C 424	16.2	73.6	528	18	US-10-425-115-66570	Sequence 66570, A	C 497	16.2	73.6	761	17	US-10-027-632-144633	Sequence 144633,
C 425	16.2	73.6	539	18	US-10-425-115-103962	Sequence 103962, A	C 498	16.2	73.6	761	17	US-10-027-632-144634	Sequence 144634,
C 426	16.2	73.6	543	18	US-10-739-930-1518	Sequence 1518, Ap	C 499	16.2	73.6	767	18	US-10-027-632-144635	Sequence 144635,
C 427	16.2	73.6	543	18	US-10-357-930-55276	Sequence 55276, A	500	16.2	73.6	780	18	US-10-425-115-36056	Sequence 36056, A
C 428	16.2	73.6	548	18	US-10-357-930-57586	Sequence 57586, A						US-10-425-115-15139	Sequence 15139, A
C 429	16.2	73.6	553	13	US-10-027-632-277460	Sequence 277460, A							
C 430	16.2	73.6	553	13	US-10-027-632-277461	Sequence 277461, A							
C 431	16.2	73.6	553	17	US-10-027-632-277460	Sequence 277460, A							
C 432	16.2	73.6	553	17	US-10-027-632-277461	Sequence 277461, A							
C 433	16.2	73.6	554	9	US-09-864-761-9757	Sequence 9757, Ap							
C 434	16.2	73.6	560	13	US-10-027-632-215106	Sequence 215106, A							
C 435	16.2	73.6	560	13	US-10-027-632-281421	Sequence 281421, A							
C 436	16.2	73.6	560	17	US-10-027-632-215106	Sequence 215106, A							
C 437	16.2	73.6	560	17	US-10-027-632-281421	Sequence 281421, A							
C 438	16.2	73.6	565	13	US-10-027-632-42433	Sequence 42433, A							
C 439	16.2	73.6	565	13	US-10-027-632-42434	Sequence 42434, A							
C 440	16.2	73.6	565	17	US-10-027-632-42433	Sequence 42433, A							
C 441	16.2	73.6	565	17	US-10-027-632-42434	Sequence 42434, A							
C 442	16.2	73.6	585	18	US-10-021-323-13311	Sequence 13311, A							
C 443	16.2	73.6	591	13	US-10-027-632-69674	Sequence 69674, A							
C 444	16.2	73.6	591	13	US-10-027-632-294556	Sequence 294556, A							
C 445	16.2	73.6	591	13	US-10-027-632-294557	Sequence 294557, A							
C 446	16.2	73.6	591	17	US-10-027-632-69674	Sequence 69674, A							
C 447	16.2	73.6	591	17	US-10-027-632-294556	Sequence 294556, A							
C 448	16.2	73.6	591	17	US-10-027-632-294557	Sequence 294557, A							
C 449	16.2	73.6	594	13	US-10-027-632-89798	Sequence 89798, A							

ALIGNMENTS

RESULT 1

US-09-909-317-1
; Sequence 1, Application US/09909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1

```
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-1

Query Match      100.0%; Score 22; DB 11; Length 22;
Best Local Similarity 100.0%; Pred. No. 6.3;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GATTCCTCCATCTCTCTTTCTTT 22
    |||||
Db 1 GATTCCTCCATCTCTCTTTCTTT 22

RESULT 2
US-10-027-632-190184/c
; Sequence 190184, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 190184
; LENGTH: 650
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-027-632-190184

Query Match      90.9%; Score 20; DB 13; Length 650;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22
    |||||
Db 161 TTCCCATCTCTCTTTCTTT 142

RESULT 3
US-10-027-632-190184/c
; Sequence 190184, Application US/10027632
; Publication No. US20020204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
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; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 190184
; LENGTH: 650
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-027-632-190184

Query Match      90.9%; Score 20; DB 17; Length 650;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22
    |||||
Db 161 TTCCCATCTCTCTTTCTTT 142

RESULT 4
US-09-764-878-379/c
; Sequence 379, Application US/09764878
; Patent No. US2002090615A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA121
; CURRENT APPLICATION NUMBER: US/09/764,878
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 379
; LENGTH: 32189
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-878-379

Query Match      86.4%; Score 19; DB 9; Length 32189;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 TCCCATCTCTCTTTCTTT 22
    |||||
Db 19817 TCCCATCTCTCTTTCTTT 19799

RESULT 5
US-10-079-854-379/c
; Sequence 379, Application US/10079854
; Publication No. US20030054368A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA121C1
; CURRENT APPLICATION NUMBER: US/10/079,854
; CURRENT FILING DATE: 2002-02-22
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 379
; LENGTH: 32189
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-079-854-379

Query Match      86.4%; Score 19; DB 14; Length 32189;
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Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 TCCCCATCTCTCTTTCTTT 22
|||||
Db 19817 TCCCCATCTCTCTTTCTTT 19799

RESULT 6

US-09-764-878-377/c
; Sequence 377, Application US/09764878
; Patent No. US20020090615A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA121
; CURRENT APPLICATION NUMBER: US/09/764,878
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 377
; LENGTH: 32221
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (7464)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-878-377

Query Match 86.4%; Score 19; DB 9; Length 32221;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 TCCCCATCTCTCTTTCTTT 22
|||||
Db 19848 TCCCCATCTCTTTCTTT 19830

RESULT 7

US-10-079-854-377/c
; Sequence 377, Application US/10079854
; Publication No. US20030054368A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA121C1
; CURRENT APPLICATION NUMBER: US/10/079,854
; CURRENT FILING DATE: 2002-02-22
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 377
; LENGTH: 32221
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (7464)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-079-854-377

Query Match 86.4%; Score 19; DB 14; Length 32221;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 TCCCCATCTCTTTCTTT 22
|||||
Db 19848 TCCCCATCTCTTTCTTT 19830

RESULT 8

US-10-180-375-7/c
; Sequence 7, Application US/10180375
; Publication No. US20030126638A1
; GENERAL INFORMATION:
; APPLICANT: Allen, William B.
; APPLICANT: Cahoon, Rebecca E.
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Harvell, Leslie T.
; APPLICANT: Helentjaris, Timothy
; APPLICANT: Li, Changjiang
; APPLICANT: Lowe, Keith
; APPLICANT: Oliveira, Igor Cunha
; APPLICANT: Shen, Bo
; APPLICANT: Tarczyński, Mitchell C.
; TITLE OF INVENTION: Alteration Of Oil Traits In Plants
; FILE REFERENCE: BB1458 US NA1
; CURRENT APPLICATION NUMBER: US/10/180,375
; CURRENT FILING DATE: 2002-06-26
; NUMBER OF SEQ ID NOS: 222
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 7
; LENGTH: 1334
; TYPE: DNA
; ORGANISM: Vitis sp.
US-10-180-375-7

Query Match 85.5%; Score 18.8; DB 15; Length 1334;
Best Local Similarity 90.9%; Pred. No. 1.8e+02;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GATTCCCCATCTCTCTTTCTTT 22
|||||
Db 1238 GATTCCCAATCTCTGTCTTT 1217

RESULT 9

US-10-183-687-23/c
; Sequence 23, Application US/10183687
; Publication No. US20030204870A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Steve
; APPLICANT: Allen, William B.
; APPLICANT: Cahoon, Rebecca
; APPLICANT: Epelbaum, Sabine
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Harvell, Leslie T.
; APPLICANT: Jones, Todd
; APPLICANT: Kinney, Tony
; APPLICANT: Klein, Ted
; APPLICANT: Li, Changjiang
; APPLICANT: Oliveira, Igor Cunha
; APPLICANT: Sakai, Hajime
; APPLICANT: Shen, Bo
; APPLICANT: Tarczyński, Mitchell C.
; TITLE OF INVENTION: Alteration Of Oil Traits In Plants
; FILE REFERENCE: BB1458 US NA
; CURRENT APPLICATION NUMBER: US/10/183,687
; CURRENT FILING DATE: 2002-06-27
; PRIOR APPLICATION NUMBER: 60/301,913
; PRIOR FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 23
; LENGTH: 1334
; TYPE: DNA
; ORGANISM: Vitis sp.
US-10-183-687-23

Query Match 85.5%; Score 18.8; DB 17; Length 1334;
Best Local Similarity 90.9%; Pred. No. 1.8e+02;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GATTCCCCATCTCTCTTTCTTT 22

Db 1238 GATTCCTCAATCTCTCTGCTTT 1217

RESULT 10
US-10-424-599-92893/c
; Sequence 92893, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 92893
; LENGTH: 284
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(284)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_54898C.1
US-10-424-599-92893

Query Match 83.6%; Score 18.4; DB 17; Length 284;
Best Local Similarity 95.0%; Pred. No. 2.5e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCCATCTCTCTTCTTT 22
Db 49 TTCCCCATCTCTCTGCTTT 30

RESULT 11
US-10-424-599-59036/c
; Sequence 59036, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 59036
; LENGTH: 1309
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_24320C.1
US-10-424-599-59036

Query Match 83.6%; Score 18.4; DB 17; Length 1309;
Best Local Similarity 95.0%; Pred. No. 2.6e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCCATCTCTCTTCTTT 22
Db 57 TTCCCCATCTCTCTGCTTT 38

RESULT 12

US-10-311-455-1419/c
; Sequence 1419, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining
; TITLE OF INVENTION: cytosine methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 1419
; LENGTH: 6351
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1419

Query Match 83.6%; Score 18.4; DB 15; Length 6351;
Best Local Similarity 95.0%; Pred. No. 2.8e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCCATCTCTTCTTT 22
Db 4736 TTCCCCCTCTCTTCTTT 4717

RESULT 13
US-10-221-613-191/c
; Sequence 191, Application US/10221613
; Publication No. US20040029123A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Cell Cycle
; FILE REFERENCE: 5013.1004
; CURRENT APPLICATION NUMBER: US/10/221,613
; CURRENT FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: PCT/EP01/02945
; DE 10013847.00
; DE 10019058.8
; DE 10019173.8
; DE 10032529.7
; DE 10043826.1
; PRIOR FILING DATE: 2001-03-15
; 2000-03-15
; 2000-04-06
; 2000-04-07
; 2000-06-30
; 2000-09-01
; NUMBER OF SEQ ID NOS: 428
; SEQ ID NO 191
; LENGTH: 6351
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-221-613-191

Query Match 83.6%; Score 18.4; DB 17; Length 6351;
Best Local Similarity 95.0%; Pred. No. 2.8e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22
|||||
Db 4736 TTCCCATCTCTCTTTCTTT 4717

RESULT 14

US-10-433-793-11/c
; Sequence 11, Application US/10433793
; Publication No. US20040142334A1
; GENERAL INFORMATION:
; APPLICANT: Epigenomics AG
; TITLE OF INVENTION: Diagnose von mit Angiogenese assoziierten Krankheiten
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/433,793
; CURRENT FILING DATE: 2003-06-06
; NUMBER OF SEQ ID NOS: 212
; SEQ ID NO 11
; LENGTH: 23695
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-433-793-11

Query Match 83.6%; Score 18.4; DB 18; Length 23695;
Best Local Similarity 95.0%; Pred. No. 3e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22
|||||
Db 4736 TTCCCATCTCTCTTTCTTT 4717

RESULT 15

US-10-741-600-17886/c
; Sequence 17886, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17886
; LENGTH: 54016
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(54016)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-17886
US-10-741-600-17886

Query Match 83.6%; Score 18.4; DB 19; Length 54016;
Best Local Similarity 95.0%; Pred. No. 3.1e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22
|||||
Db 5841 TTCCCATCTCTCTTTCTTT 5822

RESULT 16

US-10-461-862-9
; Sequence 9, Application US/10461862
; Publication No. US20050090434A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Therapeutic Targets in Cancer

; FILE REFERENCE: 529452001800
; CURRENT APPLICATION NUMBER: US/10/461,862
; CURRENT FILING DATE: 2003-06-13
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 127678
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(127678)
; OTHER INFORMATION: n = A,T,C or G
US-10-461-862-9

Query Match 83.6%; Score 18.4; DB 19; Length 127678;
Best Local Similarity 95.0%; Pred. No. 3.2e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22
|||||
Db 84250 TTCCCATCTCTCTTTCTTT 84269

RESULT 17

US-10-741-601-5660
; Sequence 5660, Application US/10741601
; Publication No. US20040168519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH STENOSIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001500
; CURRENT APPLICATION NUMBER: US/10/741,601
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5660
; LENGTH: 189817
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(189817)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-5660
US-10-741-601-5660

Query Match 83.6%; Score 18.4; DB 18; Length 189817;
Best Local Similarity 95.0%; Pred. No. 3.2e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTTT 22
|||||
Db 72324 TTCCCATCTCTCTTTCTTT 72343

RESULT 18

US-10-741-600-17685
; Sequence 17685, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17685
; LENGTH: 189817
; TYPE: DNA
; ORGANISM: Homo sapiens

; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(189817)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-
US-10-741-600-17685

Query Match 83.6%; Score 18.4; DB 19; Length 189817;
Best Local Similarity 95.0%; Pred. No. 3.2e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTCTTTCT 22
|||||
Db 72324 TTCCCATCTCTCTCTTT 72343

RESULT 19
US-10-242-535A-26433/c
; Sequence 26433, Application US/10242535A
; Publication No. US20040013663A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242,535A
; CURRENT FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 10/085,783
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 26433
; LENGTH: 500
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (11)...(11)
; OTHER INFORMATION: n is a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (491)...(491)
; OTHER INFORMATION: n is a, c, g, or t
US-10-242-535A-26433

Query Match 81.8%; Score 18; DB 17; Length 500;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCT 20
|||||
Db 306 TTCCCATCTCTCTTTCT 289

RESULT 20
US-10-085-783A-26433/c
; Sequence 26433, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017

; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 26433
; LENGTH: 500
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (11)...(11)
; OTHER INFORMATION: n is a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (491)...(491)
; OTHER INFORMATION: n is a, c, g, or t
US-10-085-783A-26433

Query Match 81.8%; Score 18; DB 17; Length 500;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCT 20
|||||
Db 306 TTCCCATCTCTTTCT 289

RESULT 21
US-10-741-601-5616
; Sequence 5616, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CLO01500
; CURRENT APPLICATION NUMBER: US/10/741,601
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5616
; LENGTH: 73764
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(73764)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-;
US-10-741-601-5616

Query Match 81.8%; Score 18; DB 18; Length 73764;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTTTCT 19
|||||
Db 43258 ATTCCCATCTCTTTCT 43275

RESULT 22
US-10-424-599-31004
; Sequence 31004, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599

```
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 31004
; LENGTH: 324
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_128000C.1
US-10-424-599-31004

Query Match      80.9%; Score 17.8; DB 17; Length 324;
Best Local Similarity 90.5%; Pred. No. 4.5e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 ATTCCCATCTCTCTTTCTTT 22
      ||||| ||||| ||||| |||||
Db      105 ATTCCCAACTCTCTTTATT 125

RESULT 23
US-10-674-124A-23460/c
; Sequence 23460, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 23460
; LENGTH: 363
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: chr18.fa.07frz.43403606
; FEATURE:
; OTHER INFORMATION: Located on chromosome 18
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 40889931
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 171910
US-10-674-124A-23460

Query Match      80.9%; Score 17.8; DB 18; Length 363;
Best Local Similarity 90.5%; Pred. No. 4.5e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 ATTCCCATCTCTCTTTCTTT 22
      ||||| ||||| ||||| |||||
Db      250 ATTCCCTCTCTCTTTCTTT 230

RESULT 24
US-10-027-632-206913/c
; Sequence 206913, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 206915
; LENGTH: 571
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-206915

Query Match      80.9%; Score 17.8; DB 13; Length 571;
Best Local Similarity 90.5%; Pred. No. 4.6e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 ATTCCCATCTCTCTTTCTTT 22
      ||||| ||||| ||||| |||||
Db      473 ATTCCCATCTCTCTTTCTTT 453

RESULT 25
US-10-027-632-206915/c
; Sequence 206915, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 206915
; LENGTH: 571
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-206915

Query Match      80.9%; Score 17.8; DB 13; Length 571;
Best Local Similarity 90.5%; Pred. No. 4.6e+02;
```

Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTTT 22
||| ||||| ||||| |||||
Db 473 ATTCCCATCTCCCTTTCTTT 453

RESULT 26

US-10-027-632-206913/c
; Sequence 206913, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 206913
; LENGTH: 571
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-206913

Query Match 80.9%; Score 17.8; DB 17; Length 571;

Best Local Similarity 90.5%; Pred. No. 4.6e+02;

Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTTT 22
||| ||||| ||||| |||||
Db 473 ATTCCCATCTCCCTTTCTTT 453

RESULT 27

US-10-027-632-206915/c
; Sequence 206915, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002

; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 206915
; LENGTH: 571
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-206915

Query Match 80.9%; Score 17.8; DB 17; Length 571;

Best Local Similarity 90.5%; Pred. No. 4.6e+02;

Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTTT 22
||| ||||| ||||| |||||
Db 473 ATTCCCATCTCCCTTTCTTT 453

RESULT 28

US-10-425-115-48053
; Sequence 48053, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 48053
; LENGTH: 671
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)-(671)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MFT4577_143829C.1
US-10-425-115-48053

Query Match 80.9%; Score 17.8; DB 18; Length 671;

Best Local Similarity 90.5%; Pred. No. 4.6e+02;

Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTTT 22
||| ||||| ||||| |||||
Db 153 ATTCCCATCTCTTTCTTT 173

RESULT 29

US-10-027-632-206914/c
; Sequence 206914, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24

```

; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 206914
; LENGTH: 1143
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-206914

```

```
Query Match      80.9%; Score 17.8; DB 13; Length 1143;
Best Local Similarity 90.5%; Pred. No. 4.7e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

Qy 2 ATTCCTCATCTCTTTCTTT 22
|||
Db 1045 ATTCCTCATCTCTTTCTTT 1025

RESULT 30
US-10-027-632-206914/c
; Sequence 206914, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:

; INVENTOR: Wang, David C.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 ; TITLE OF INVENTION: Polymorphisms in the Human Genome
 ; TITLE OF INVENTION: Polymorphisms in the Human Genome

Query Match	80.9%;	Score 17.8;	DB 17;	Length 1143;
Best Local Similarity	90.5%;	Pred. No. 4.7e+02;		
Matches 19: Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0;

Qy 2 ATTCCCCATCTCTCTTTCTTT 22
||| ||| ||| ||| ||| ||| ||| |||
Db 1045 ATTTCCCATCTCCCCCTTTCTTT 1025

RESULT 31
US-10-311-455-1925/c
; Sequence 1925, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OUEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt

```

; ; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Imm
; ; TITLE OF INVENTION: cytosine methylation
; ; FILE REFERENCE: 5013.1014
; ; CURRENT APPLICATION NUMBER: US/10/311,455
; ; CURRENT FILING DATE: 2002-12-16
; ; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; ; PRIOR FILING DATE: 2001-07-02
; ; PRIOR APPLICATION NUMBER: DE 10032529.7
; ; PRIOR FILING DATE: 2000-06-30
; ; PRIOR APPLICATION NUMBER: DE 10043826.1
; ; PRIOR FILING DATE: 2000-09-01
; ; NUMBER OF SEQ ID NOS: 2424
; ; SEQ ID NO 1925
; ; LENGTH: 7819
; ; TYPE: DNA
; ; ORGANISM: Artificial Sequence
; ; FEATURE:
; ; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; ; US-10-311-455-1925

```

Query Match	80.9%	Score 17.8;	DB 15;	Length 7819;
Best Local Similarity	90.5%;	Pred. No. 5.1e+02;		
Matches 19: Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0;

Qy 2 ATTCCCAATCTCTTTCTTT 22
||| ||| ||| ||| |||
pb 6664 ATTACCCAATCTTCTTTCTTT 6644

```

RESULT 32
US-10-240-485-159/c
; Sequence 159, Application US/10240485
; Publication No. US20030148327A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; TITLE OF INVENTION: Metastasis
; FILE REFERENCE: 5013.1007
; CURRENT APPLICATION NUMBER: US/10/240,485
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03970
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10025259.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 202
; SEQ ID NO 159
; LENGTH: 7819
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo
US-10-240-485-159

```

```
Query Match      80.9%; Score 17.8; DB 15; Length 7819;
Best Local Similarity 90.5%; Pred. No. 5.1e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

Qy	2	ATTCCCAATCTCTTTCTTT	22
D _b	6664	ATTACCAATCTTTCTTTCTTT	6644

RESULT 33
US-10-719-993-6760/c
: Sequence 6760, Application US/10719993

```
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6760
; LENGTH: 20158
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-6760

Query Match      80.9%; Score 17.8; DB 18; Length 20158;
Best Local Similarity 90.5%; Pred. No. 5.3e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      2 ATTCCCCATCTCTCTTTCTTT 22
      ||||| ||||| ||||| |||||
Db      3279 ATTCCCAATCTCTTTCTTT 3259

RESULT 34
US-10-459-262A-3/c
; Sequence 3, Application US/10459262A
; Publication No. US20040083501A1
; GENERAL INFORMATION:
; APPLICANT: Leong, Sally A.
; APPLICANT: Chauhan, Rajinder S.
; APPLICANT: Durfee, Timothy J.
; APPLICANT: Farman, Mark L.
; TITLE OF INVENTION: Plant Genes That Confer Resistance to Strains of
; TITLE OF INVENTION: Magnaporthe Grisea Having AVR1 C039 Cultivar
; TITLE OF INVENTION: Specificity Gene
; FILE REFERENCE: 0141.03
; CURRENT APPLICATION NUMBER: US/10/459,262A
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/46331
; PRIOR FILING DATE: 2003-04-11
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: PCT WO 02/34927
; PRIOR FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: 60/242,313
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/303,897
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 49600
; TYPE: DNA
; ORGANISM: Magnaporthe grisea
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(49600)
; OTHER INFORMATION: Continuation of Sequence ID 1, representing bases
; OTHER INFORMATION: 99,281 through 148,880
US-10-459-262A-3
```

```
Query Match      80.9%; Score 17.8; DB 17; Length 49600;
Best Local Similarity 90.5%; Pred. No. 5.5e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy      2 ATTCCCCATCTCTCTTTCTTT 22
      ||||| ||||| ||||| |||||
Db      44645 ATGCCCAATCTCTTTCTTT 44625
```

RESULT 35

```
US-10-415-058-5
; Sequence 5, Application US/10415058
; Publication No. US20040060081A1
; GENERAL INFORMATION:
; APPLICANT: Wisconsin Alumni Research Foundation
; APPLICANT: United States Department Of Agriculture
; APPLICANT: Leong, Sally A.
; APPLICANT: Farman, Mark L.
; APPLICANT: Chauhan, Rajinder
; APPLICANT: Durfee, Timothy J.
; TITLE OF INVENTION: Plant Gene That Confers Resistance To Strains Of Magnaporthe Grisea
; TITLE OF INVENTION: Having AVR C039 Cultivar Specificity Gene
; FILE REFERENCE: Warf-0145
; CURRENT APPLICATION NUMBER: US/10/415,058
; CURRENT FILING DATE: 2003-04-11
; PRIOR APPLICATION NUMBER: USN 60/242,313
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: USN 60/303,897
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 91552
; TYPE: DNA
; ORGANISM: Oryza sativa
US-10-415-058-5

Query Match      80.9%; Score 17.8; DB 17; Length 91552;
Best Local Similarity 90.5%; Pred. No. 5.7e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      2 ATTCCCCATCTCTCTTTCTTT 22
      ||||| ||||| ||||| |||||
Db      34642 ATGCCCAATCTCTTTCTTT 34662

RESULT 36
US-09-997-722-43/c
; Sequence 43, Application US/09997722
; Publication No. US20040072154A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71171/RMS/DCF
; CURRENT APPLICATION NUMBER: US/09/997,722
; CURRENT FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: US 09/147,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
; LENGTH: 96595
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (81)..(100)
; OTHER INFORMATION: "n" at positions 81 through 100 can be any base.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (20974)..(20993)
; OTHER INFORMATION: "n" at positions 20974 through 20993 can be any base.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (23010)..(23294)
; OTHER INFORMATION: "n" at positions 23010 through 23294 can be any base.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (24969)..(25093)
; OTHER INFORMATION: "n" at positions 24969 through 25093 can be any base.
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FEATURE:
; NAME/KEY: misc feature
; LOCATION: (34635)..(34840)
; OTHER INFORMATION: "n" at positions 34655 through 34840 can be any base.
FEATURE:
; NAME/KEY: misc feature
; LOCATION: (43486)..(43505)
; OTHER INFORMATION: "n" at positions 43486 through 43505 can be any base.
FEATURE:
; NAME/KEY: misc feature
; LOCATION: (63319)..(63565)
; OTHER INFORMATION: "n" at positions 63319 through 63565 can be any base.
FEATURE:
; NAME/KEY: misc feature
; LOCATION: (87107)..(87126)
; OTHER INFORMATION: "n" at positions 87107 through 87126 can be any base.
FEATURE:
; NAME/KEY: misc feature
; LOCATION: (90949)..(90968)
; OTHER INFORMATION: "n" at positions 90949 through 90968 can be any base.
FEATURE:
; NAME/KEY: misc feature
; LOCATION: (92828)..(92847)
; OTHER INFORMATION: "n" at positions 92828 through 92847 can be any base.
US-09-997-722-43

Query Match 80.9%; Score 17.8; DB 11; Length 96595;
Best Local Similarity 90.5%; Pred. No. 5.7e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 2 ATTCCCATCTCTCTTTCTTT 22
|||||
Db 89246 ATTCCCATCTCTCTTTCTTT 89226

RESULT 37
US-10-027-632-174763/c
; Sequence 174763, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-08-28
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 174763
; LENGTH: 2940917
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)....(2940917)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-174763

Query Match 80.9%; Score 17.8; DB 13; Length 2940917;

Best Local Similarity 90.5%; Pred. No. 5.7e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Oy 2 ATTCCCATCTCTCTTTCTTT 22
|||||
Db 2098912 ATTCCCATCTCTCTTTCTTT 2098892

RESULT 38
US-10-027-632-174763/c
; Sequence 174763, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 174763
; LENGTH: 2940917
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)....(2940917)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-174763

Query Match 80.9%; Score 17.8; DB 17; Length 2940917;
Best Local Similarity 90.5%; Pred. No. 5.7e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 2 ATTCCCATCTCTCTTTCTTT 22
|||||
Db 2098912 ATTCCCATCTCTCTTTCTTT 2098892

RESULT 39
US-10-741-600-26828/c
; Sequence 26828, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26828
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-741-600-26828

Query Match 79.1%; Score 17.4; DB 19; Length 201;
Best Local Similarity 94.7%; Pred. No. 6.5e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTT 21
| | | | | | | | | | | | | | | | | | | | | |
Db 179 TACCCATCTCTCTTTCTT 161

RESULT 40

US-10-027-632-101998
; Sequence 101998, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 101998
; LENGTH: 720
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-101998

Query Match 79.1%; Score 17.4; DB 13; Length 720;
Best Local Similarity 94.7%; Pred. No. 6.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTT 21
| | | | | | | | | | | | | | | | | | | | | |
Db 107 TTCCCATCTCTCTTTCTT 125

RESULT 41

US-10-027-632-101998
; Sequence 101998, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358

; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 101998
; LENGTH: 720
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-101998

Query Match 79.1%; Score 17.4; DB 17; Length 720;
Best Local Similarity 94.7%; Pred. No. 6.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTT 21
| | | | | | | | | | | | | | | | | | | | | |
Db 107 TTCCCATCTCTCTTTCTT 125

RESULT 42

US-10-424-599-94947/c
; Sequence 94947, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; Title of Invention: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 94947
; LENGTH: 1386
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(1386)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_56749C.1
US-10-424-599-94947

Query Match 79.1%; Score 17.4; DB 17; Length 1386;
Best Local Similarity 94.7%; Pred. No. 7e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 4 TCCCATCTCTCTTTCTT 22
| | | | | | | | | | | | | | | | | | | | | |
Db 1383 TTCCCATCTCTCTTTCTT 1365

RESULT 43

US-10-767-701-12634
; Sequence 12634, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; Title of Invention: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 12634
; LENGTH: 1420
; TYPE: DNA

```
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-CLUS45167_1
US-10-767-701-12634

Query Match      79.1%; Score 17.4; DB 18; Length 1420;
Best Local Similarity 94.7%; Pred. No. 7.1e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 TCCCCATCTCTCTTCTTT 22
Db 12 TCCCCCTCTCTCTTCTTT 30

RESULT 44
US-10-203-319A-22/c
; Sequence 22, Application US/10203319A
; Publication No. US20030226162A1
; GENERAL INFORMATION:
; APPLICANT: BOWLES, Diana Joy
; APPLICANT: LI, Yi
; APPLICANT: LIM, Eng-Kiat
; TITLE OF INVENTION: TRANSGENIC CELLS EXPRESSING GLUCOSYLTRANSFERASE NUCLEIC ACIDS
; FILE REFERENCE: 2347/51378
; CURRENT APPLICATION NUMBER: US/10/203,319A
; CURRENT FILING DATE: 2002-12-03
; PRIOR APPLICATION NUMBER: PCT/GB01/00477
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: GB 0002814.2
; PRIOR FILING DATE: 2000-02-09
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 22
; LENGTH: 1446
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-10-203-319A-22

Query Match      79.1%; Score 17.4; DB 17; Length 1446;
Best Local Similarity 94.7%; Pred. No. 7.1e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 TCCCCATCTCTCTTCTTT 21
Db 626 TCCCCATCTCGCTTCTTT 608

RESULT 45
US-10-203-319A-24
; Sequence 24, Application US/10203319A
; Publication No. US20030226162A1
; GENERAL INFORMATION:
; APPLICANT: BOWLES, Diana Joy
; APPLICANT: LI, Yi
; APPLICANT: LIM, Eng-Kiat
; TITLE OF INVENTION: TRANSGENIC CELLS EXPRESSING GLUCOSYLTRANSFERASE NUCLEIC ACIDS
; FILE REFERENCE: 2347/51378
; CURRENT APPLICATION NUMBER: US/10/203,319A
; CURRENT FILING DATE: 2002-12-03
; PRIOR APPLICATION NUMBER: PCT/GB01/00477
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: GB 0002814.2
; PRIOR FILING DATE: 2000-02-09
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 1446
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-10-203-319A-24

Query Match      79.1%; Score 17.4; DB 17; Length 1446;
Best Local Similarity 94.7%; Pred. No. 7.1e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-CLUS45167_1
US-10-767-701-12634

Query Match      79.1%; Score 17.4; DB 18; Length 1420;
Best Local Similarity 94.7%; Pred. No. 7.1e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 TCCCCATCTCTCTTCTTT 21
Db 821 TCCCCATCTCGCTTCTTT 839

RESULT 46
US-09-938-842A-2730
; Sequence 2730, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SCRIPI300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 2730
; LENGTH: 1651
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-2730

Query Match      79.1%; Score 17.4; DB 9; Length 1651;
Best Local Similarity 94.7%; Pred. No. 7.1e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 TCCCCATCTCTCTTCTTT 22
Db 1608 TCCCAATCTCTCTTCTTT 1626

RESULT 47
US-09-938-842A-2730
; Sequence 2730, Application US/09938842A
; Publication No. US20040009476A9
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SCRIPI300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 2730
; LENGTH: 1651
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-2730

Query Match      79.1%; Score 17.4; DB 11; Length 1651;
Best Local Similarity 94.7%; Pred. No. 7.1e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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; PRIOR APPLICATION NUMBER: US/60/235,077
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,280
; PRIOR FILING DATE: 2000-09-25
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 222
; LENGTH: 26668
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: n=a,t,g or c
US-09-962-832-222

Query Watch          79.1%; Score 17.4; DB 9; Length 26668;
Best Local Similarity 94.7%; Pred. No. 8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      3  TTCCCCCATCTCTCTTTCTTT 21
          |||||
Db      8695  TTCCCCCATCTCTCTTTCCITT 8677

Search completed: June 2, 2005, 11:57:15
Job time : 243.324 secs

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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:06:17 ; Search time 41.9608 Seconds
(without alignments) 779.908 Million cell updates

Title: US-09-909-317-2

Perfect score:

Sequence: 1 aaattgtggtaatgactgca 20

Scoring table: IDENTITY NUC

Scoring table: IDENTIFY_NOC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 24055568

Minimum DB seq length: 0

Minimum DB seq	length: 0
Maximum DB seq	length: 2000000000

Post-processing: Minimum March 03

F08C-PROCESSING: Minimum Match 0%
Maximum Match 100%

Maximum Match 100%
Listing first 500 summaries

Database : Issued Patents NA:*

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Database : ISSUED_FACILITY NA:
1: /cqn2 6/prodata/1/ina/5A COMB.seq.*
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1: /cqn2_6/ptodata/1/ina/3A_COMB.seq:★
2: /cqn2_6/ptodata/1/ina/5B_COMB.seq:★
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2: /cqn2_6/ptodata/1/ina/6A_COMB.seq.*
3: /cqn2_6/ptodata/1/ina/6A_COMB.seq.*

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3: /cqn2_6/ptodata/1/ina/6B_COMB.seq.*
4: /cqn2_6/ptodata/1/ina/6B_COMB.seq.*
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5: /cgn2 6/ptodata/1/ina/PCTUS COMB.seq:★

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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description	
1	20	100.0	20	3	US-09-280-181B-2	Sequence 2, Appli	
C 2	16.8	84.0	325	4	US-08-956-171E-1722	Sequence 1722, Ap	
C 3	16.8	84.0	325	4	US-08-781-986A-1722	Sequence 1722, Ap	
C 4	16.8	84.0	601	4	US-09-949-016-87851	Sequence 87851, A	
C 5	16.8	84.0	601	4	US-09-949-016-87852	Sequence 87852, A	
C 6	16.8	84.0	601	4	US-09-949-016-18320	Sequence 18320, A	
C 7	16.8	84.0	601	4	US-09-949-016-186785	Sequence 186785,	
C 8	16.8	84.0	601	4	US-09-949-016-186786	Sequence 186786,	
C 9	16.8	84.0	23439	4	US-08-956-171E-38	Sequence 38, Appl	
C 10	16.8	84.0	23439	4	US-08-781-986A-38	Sequence 38, Appl	
C 11	16.8	84.0	62908	4	US-09-949-016-17554	Sequence 17554, A	
C 12	16.8	84.0	86439	4	US-09-949-016-11945	Sequence 11945, A	
C 13	16.8	84.0	86440	4	US-09-949-016-16990	Sequence 16990, A	
C 14	16.8	84.0	123463	4	US-09-949-016-17078	Sequence 17078, A	
C 15	16.8	84.0	129327	4	US-09-949-016-13257	Sequence 12957, A	
C 16	16.8	84.0	129327	4	US-09-949-016-15368	Sequence 15368, A	
C 17	16.8	84.0	169334	4	US-09-949-016-15999	Sequence 15999, A	
C 18	16.8	84.0	232024	4	US-09-949-016-13477	Sequence 13477, A	
C 19	16.8	84.0	254964	4	US-09-949-016-12583	Sequence 12583, A	
C 20	16.8	84.0	254964	4	US-09-949-016-17392	Sequence 17392, A	
C 21	16.8	84.0	670689	4	US-09-949-016-12505	Sequence 12505, A	
C 22	16.8	84.0	670690	4	US-09-949-016-14207	Sequence 14207, A	
C 23	16.8	84.0	786431	4	US-09-751-389-3	Sequence 3, Appli	
C 24	16.4	82.0	271	3	US-09-222-575-50	Sequence 50, Appl	
C 25	16.4	82.0	271	4	US-09-389-681-50	Sequence 50, Appl	
C 26	16.4	82.0	271	4	US-09-620-405B-50	Sequence 50, Appl	
C 27	16.4	82.0	271	4	US-09-339-338-50	Sequence 50, Appl	

101	15.2	76.0	660	4	US-09-513-999C-12168	Sequence 12168, A	174	15.2	76.0	189560	4	US-09-949-016-17202	Sequence 17202, A
102	15.2	76.0	978	3	US-09-134-001C-2696	Sequence 2696, Ap	175	15.2	76.0	194933	4	US-09-949-016-14172	Sequence 14172, A
103	15.2	76.0	1240	1	US-08-869-506-1	Sequence 1, Appli	c 176	15.2	76.0	197336	4	US-09-949-016-12881	Sequence 12881, A
104	15.2	76.0	1240	3	US-09-128-967-1	Sequence 1, Appli	c 177	15.2	76.0	197337	4	US-09-949-016-14376	Sequence 14376, A
105	15.2	76.0	1279	4	US-09-949-016-216	Sequence 216, App	c 178	15.2	76.0	234288	4	US-09-949-016-17272	Sequence 17272, A
106	15.2	76.0	1301	4	US-09-949-016-1667	Sequence 1667, Ap	c 179	15.2	76.0	235064	4	US-09-949-016-15390	Sequence 15390, A
107	15.2	76.0	1383	4	US-09-023-655-541	Sequence 541, App	c 180	15.2	76.0	238815	4	US-09-949-016-16274	Sequence 16274, A
108	15.2	76.0	3001	4	US-09-539-333D-130	Sequence 130, App	c 181	15.2	76.0	246240	2	US-08-724-394A-20	Sequence 20, Appl
109	15.2	76.0	3836	4	US-09-976-594-59	Sequence 59, Appl	c 182	15.2	76.0	246240	2	US-08-724-394A-22	Sequence 22, Appl
110	15.2	76.0	5024	1	US-08-920-812-7	Sequence 7, Appli	c 183	15.2	76.0	246240	2	US-08-724-394A-22	Sequence 22, Appl
111	15.2	76.0	5024	1	US-08-920-827-7	Sequence 7, Appli	c 184	15.2	76.0	246444	4	US-09-949-016-13113	Sequence 13113, A
112	15.2	76.0	5024	1	US-08-321-177-7	Sequence 7, Appli	c 185	15.2	76.0	360470	4	US-09-949-016-13173	Sequence 13173, A
113	15.2	76.0	5024	1	US-08-362-577C-7	Sequence 7, Appli	c 186	15.2	76.0	421118	4	US-09-949-016-16297	Sequence 16297, A
114	15.2	76.0	5024	2	US-08-920-828-7	Sequence 7, Appli	c 187	14.8	74.0	194	4	US-09-513-998C-35718	Sequence 35718, A
115	15.2	76.0	5099	1	US-08-487-890A-4	Sequence 4, Appli	c 188	14.8	74.0	601	4	US-09-949-016-19989	Sequence 19989, A
116	15.2	76.0	5099	2	US-08-478-435-4	Sequence 4, Appli	c 189	14.8	74.0	601	4	US-09-949-016-20341	Sequence 20341, A
117	15.2	76.0	5099	2	US-08-337-483-4	Sequence 4, Appli	c 190	14.8	74.0	601	4	US-09-949-016-25936	Sequence 25936, A
118	15.2	76.0	5099	2	US-08-478-373-4	Sequence 4, Appli	c 191	14.8	74.0	601	4	US-09-949-016-30507	Sequence 30507, A
119	15.2	76.0	5099	3	US-08-474-671-4	Sequence 4, Appli	c 192	14.8	74.0	601	4	US-09-949-016-30508	Sequence 30508, A
120	15.2	76.0	5099	3	US-08-483-855C-1	Sequence 1, Appli	c 193	14.8	74.0	601	4	US-09-949-016-30509	Sequence 30509, A
121	15.2	76.0	5099	3	US-08-893-577A-4	Sequence 4, Appli	c 194	14.8	74.0	601	4	US-09-949-016-30538	Sequence 30538, A
122	15.2	76.0	5099	3	US-08-637-654-4	Sequence 4, Appli	c 195	14.8	74.0	601	4	US-09-949-016-81543	Sequence 81543, A
123	15.2	76.0	5099	3	US-08-649-518-4	Sequence 4, Appli	c 196	14.8	74.0	601	4	US-09-949-016-81345	Sequence 81345, A
124	15.2	76.0	6973	1	US-08-478-370-1	Sequence 1, Appli	c 197	14.8	74.0	601	4	US-09-949-016-84780	Sequence 84780, A
125	15.2	76.0	6973	3	US-08-483-855C-1	Sequence 1, Appli	c 198	14.8	74.0	601	4	US-09-949-016-85351	Sequence 85351, A
126	15.2	76.0	6973	3	US-08-621-944A-1	Sequence 1, Appli	c 199	14.8	74.0	601	4	US-09-949-016-130970	Sequence 130970, A
127	15.2	76.0	6973	3	US-08-545-567D-1	Sequence 1, Appli	c 200	14.8	74.0	601	4	US-09-949-016-141929	Sequence 141929, A
128	15.2	76.0	6973	3	US-08-431-718C-1	Sequence 1, Appli	c 201	14.8	74.0	601	4	US-09-949-016-151158	Sequence 151158, A
129	15.2	76.0	13609	4	US-09-949-016-11806	Sequence 11806, A	c 202	14.8	74.0	601	4	US-09-949-016-154676	Sequence 154676, A
130	15.2	76.0	13609	4	US-09-949-016-12922	Sequence 12922, A	c 203	14.8	74.0	601	4	US-09-949-016-154677	Sequence 154677, A
131	15.2	76.0	15225	2	US-08-892-403A-2	Sequence 2, Appli	c 204	14.8	74.0	601	4	US-09-949-016-179422	Sequence 179422, A
132	15.2	76.0	15225	4	US-09-291-894-2	Sequence 2, Appli	c 205	14.8	74.0	601	4	US-09-949-016-179423	Sequence 179423, A
133	15.2	76.0	15225	4	US-09-827-688-10	Sequence 10, Appli	c 206	14.8	74.0	601	4	US-09-949-016-179424	Sequence 179424, A
134	15.2	76.0	21392	4	US-09-949-016-11958	Sequence 11958, A	c 207	14.8	74.0	601	4	US-09-949-016-189406	Sequence 189406, A
135	15.2	76.0	21394	4	US-09-949-016-13409	Sequence 13409, A	c 208	14.8	74.0	601	4	US-09-949-016-189407	Sequence 189407, A
136	15.2	76.0	22080	4	US-09-949-016-16183	Sequence 16183, A	c 209	14.8	74.0	601	4	US-09-949-016-189408	Sequence 189408, A
137	15.2	76.0	25230	4	US-09-949-016-13153	Sequence 13153, A	c 210	14.8	74.0	601	4	US-09-949-016-189409	Sequence 189409, A
138	15.2	76.0	23357	4	US-09-949-016-16676	Sequence 16676, A	c 211	14.8	74.0	601	4	US-09-949-016-205761	Sequence 205761, A
139	15.2	76.0	29393	4	US-09-949-016-17024	Sequence 17024, A	c 212	14.8	74.0	1125	4	US-09-248-796A-3180	Sequence 3180, Ap
140	15.2	76.0	29574	4	US-09-949-016-12650	Sequence 12650, A	c 213	14.8	74.0	1413	4	US-09-134-000C-2063	Sequence 2063, Ap
141	15.2	76.0	29574	4	US-09-949-016-15647	Sequence 15647, A	c 214	14.8	74.0	1437	4	US-09-328-352-3582	Sequence 3582, Ap
142	15.2	76.0	29604	3	US-08-781-891-207	Sequence 207, App	c 215	14.8	74.0	1554	3	US-09-134-001C-351	Sequence 351, App
143	15.2	76.0	29604	4	US-09-618-166-207	Sequence 207, App	c 216	14.8	74.0	1710	3	US-09-134-001C-2735	Sequence 2735, Ap
144	15.2	76.0	35007	4	US-09-949-016-15330	Sequence 15330, A	c 217	14.8	74.0	1790	2	US-08-993-238-1	Sequence 1, Appli
145	15.2	76.0	36171	4	US-09-949-016-13876	Sequence 13876, A	c 218	14.8	74.0	2476	3	US-08-844-274-11	Sequence 11, Appl
146	15.2	76.0	36274	4	US-09-949-016-12389	Sequence 12389, A	c 219	14.8	74.0	2476	3	US-09-598-421-11	Sequence 11, Appl
147	15.2	76.0	36274	3	US-09-738-894A-3	Sequence 3, Appli	c 220	14.8	74.0	2799	1	US-08-446-794A-5	Sequence 5, Appli
148	15.2	76.0	36651	4	US-09-964-469-3	Sequence 3, Appli	c 221	14.8	74.0	2799	1	US-08-750-007-4	Sequence 4, Appli
149	15.2	76.0	40429	4	US-09-949-016-13059	Sequence 13059, A	c 222	14.8	74.0	3376	4	US-09-710-279-4055	Sequence 4055, Ap
150	15.2	76.0	43086	4	US-09-949-016-12944	Sequence 12944, A	c 223	14.8	74.0	4923	4	US-08-956-171E-551	Sequence 551, App
151	15.2	76.0	56131	4	US-09-949-016-12944	Sequence 32, Appli	c 224	14.8	74.0	4923	4	US-08-781-986A-551	Sequence 551, App
152	15.2	76.0	62909	4	US-09-596-003-32	Sequence 32, Appli	c 225	14.8	74.0	5194	3	US-08-844-274-16	Sequence 16, Appl
153	15.2	76.0	63930	4	US-09-949-016-12270	Sequence 12270, A	c 226	14.8	74.0	5194	3	US-08-844-274-17	Sequence 17, Appl
154	15.2	76.0	74644	4	US-09-949-016-17556	Sequence 17556, A	c 227	14.8	74.0	5194	4	US-09-598-421-16	Sequence 16, Appl
155	15.2	76.0	75799	4	US-09-949-016-15231	Sequence 15231, A	c 228	14.8	74.0	5194	4	US-09-598-421-17	Sequence 17, Appl
156	15.2	76.0	75653	4	US-09-949-016-17099	Sequence 17099, A	c 229	14.8	74.0	5255	4	US-09-949-016-4946	Sequence 4946, Ap
157	15.2	76.0	78269	4	US-09-949-016-12497	Sequence 12497, A	c 230	14.8	74.0	5301	4	US-09-171-991-8	Sequence 8, Appli
158	15.2	76.0	82494	4	US-09-949-016-16937	Sequence 16937, A	c 231	14.8	74.0	5679	3	US-08-844-274-10	Sequence 10, Appl
159	15.2	76.0	101894	4	US-09-949-016-12005	Sequence 12005, A	c 232	14.8	74.0	5679	3	US-09-598-421-10	Sequence 10, Appl
160	15.2	76.0	102304	4	US-09-949-016-12589	Sequence 12589, A	c 233	14.8	74.0	5937	4	US-09-573-080A-39	Sequence 39, Appl
161	15.2	76.0	103894	4	US-09-949-016-14450	Sequence 14450, A	c 234	14.8	74.0	6448	3	US-08-844-274-15	Sequence 15, Appl
162	15.2	76.0	109690	4	US-09-949-016-13525	Sequence 13525, A	c 235	14.8	74.0	6448	4	US-09-598-421-15	Sequence 15, Appl
163	15.2	76.0	117807	4	US-09-949-016-15525	Sequence 15525, A	c 236	14.8	74.0	7560	3	US-08-844-274-20	Sequence 20, Appl
164	15.2	76.0	130563	4	US-09-949-016-12273	Sequence 12273, A	c 237	14.8	74.0	7560	3	US-09-598-421-20	Sequence 20, Appl
165	15.2	76.0	131379	4	US-09-949-016-16050	Sequence 16050, A	c 238	14.8	74.0	9277	4	US-09-949-016-14017	Sequence 14017, A
166	15.2	76.0	135030	4	US-09-949-016-14896	Sequence 14896, A	c 239	14.8	74.0	14634	4	US-09-949-016-17384	Sequence 17384, A
167	15.2	76.0	135476	4	US-09-949-016-12611	Sequence 12611, A	c 240	14.8	74.0	18725	4	US-09-949-016-15977	Sequence 15977, A
168	15.2	76.0	135876	4	US-09-949-016-14413	Sequence 14413, A	c 241	14.8	74.0	21168	4	US-09-949-016-12643	Sequence 12643, A
169	15.2	76.0	140725	4	US-09-949-016-17074	Sequence 17074, A	c 242	14.8	74.0	21196	4	US-09-949-016-14670	Sequence 14670, A
170	15.2	76.0	145320	4	US-09-949-016-15858	Sequence 15858, A	c 243	14.8	74.0	33237	4	US-09-949-016-14108	Sequence 14108, A
171	15.2	76.0	161652	4	US-09-497-855A-40	Sequence 40, Appli	c 244	14.8	74.0	36651	3	US-09-738-894A-3	Sequence 3, Appli
172	15.2	76.0	171700	4	US-09-949-016-12276	Sequence 12276, A	c 245	14.8	74.0	36651	4	US-09-964-469-3	Sequence 3, Appli
173	15.2	76.0	171701	4	US-09-949-016-15835	Sequence 15835, A	c 246	14.8	74.0	37412	4	US-09-949-016-17566	Sequence 17566, A

C 247	14.8	74.0	36653	4	US-09-949-016-15987	Sequence 15987, A	C 320	14.8	74.0	529885	4	US-09-949-016-14346	Sequence 14346, A
C 248	14.8	74.0	42954	4	US-09-949-016-17123	Sequence 17123, A	C 321	14.8	74.0	529885	4	US-09-949-016-14347	Sequence 14347, A
C 249	14.8	74.0	42954	4	US-09-949-016-17123	Sequence 17123, A	C 322	14.8	74.0	529885	4	US-09-949-016-14347	Sequence 14347, A
C 250	14.8	74.0	43192	4	US-09-949-016-15466	Sequence 15466, A	C 323	14.4	72.0	114	4	US-09-857-401B-9	Sequence 9, Appl
C 251	14.8	74.0	43971	4	US-09-949-016-16688	Sequence 16688, A	C 324	14.4	72.0	190	4	US-09-513-999C-23168	Sequence 23168, A
C 252	14.8	74.0	54601	4	US-09-949-016-14173	Sequence 14173, A	C 325	14.4	72.0	201	4	US-08-956-171E-2542	Sequence 2542, Ap
C 253	14.8	74.0	56448	4	US-09-949-016-16463	Sequence 16463, A	C 326	14.4	72.0	201	4	US-08-781-986A-2542	Sequence 2542, Ap
C 254	14.8	74.0	60665	4	US-09-949-016-13292	Sequence 13292, A	C 327	14.4	72.0	263	4	US-09-513-999C-2563	Sequence 2563, Ap
C 255	14.8	74.0	67899	4	US-09-949-016-15432	Sequence 15432, A	C 328	14.4	72.0	501	4	US-09-270-767-5870	Sequence 5870, Ap
C 256	14.8	74.0	67902	4	US-09-949-016-11870	Sequence 11870, A	C 329	14.4	72.0	501	4	US-09-270-767-21152	Sequence 21152, A
C 257	14.8	74.0	83343	4	US-09-949-016-12242	Sequence 12242, A	C 330	14.4	72.0	567	4	US-09-953-780-1	Sequence 1, Appl
C 258	14.8	74.0	83497	4	US-09-949-016-15517	Sequence 15517, A	C 331	14.4	72.0	567	4	US-09-333-862-1	Sequence 1, Appl
C 259	14.8	74.0	90724	4	US-09-949-016-16601	Sequence 16601, A	C 332	14.4	72.0	593	4	US-09-513-999C-10706	Sequence 10706, A
C 260	14.8	74.0	92074	4	US-09-949-016-17163	Sequence 17163, A	C 333	14.4	72.0	601	4	US-09-949-016-58066	Sequence 58066, A
C 261	14.8	74.0	92304	4	US-09-949-016-15943	Sequence 15943, A	C 334	14.4	72.0	601	4	US-09-949-016-183875	Sequence 183875, A
C 262	14.8	74.0	92334	4	US-09-949-016-13920	Sequence 13920, A	C 335	14.4	72.0	601	4	US-09-949-016-183876	Sequence 183876, A
C 263	14.8	74.0	92363	4	US-09-949-016-12146	Sequence 12146, A	C 336	14.4	72.0	768	4	US-09-328-352-4030	Sequence 4030, Ap
C 264	14.8	74.0	93778	4	US-09-949-016-15096	Sequence 15096, A	C 337	14.4	72.0	837	4	US-09-540-236-812	Sequence 812, App
C 265	14.8	74.0	93920	4	US-09-949-016-12461	Sequence 12461, A	C 338	14.4	72.0	891	4	US-09-270-767-10351	Sequence 10351 A
C 266	14.8	74.0	93920	4	US-09-949-016-16853	Sequence 16853, A	C 339	14.4	72.0	996	4	US-09-248-796A-4384	Sequence 4384, Ap
C 267	14.8	74.0	96074	4	US-09-949-016-12760	Sequence 12760, A	C 340	14.4	72.0	1353	4	US-09-248-796A-1203	Sequence 1253, Ap
C 268	14.8	74.0	96074	4	US-09-949-016-13611	Sequence 13611, A	C 341	14.4	72.0	1581	4	US-09-248-796A-7054	Sequence 704, App
C 269	14.8	74.0	106418	4	US-09-949-016-13974	Sequence 13974, A	C 342	14.4	72.0	1824	3	US-09-134-001C-157	Sequence 157, App
C 270	14.8	74.0	125963	4	US-09-949-016-12298	Sequence 12298, A	C 343	14.4	72.0	2429	3	US-09-386-493-3	Sequence 3, Appl
C 271	14.8	74.0	129899	4	US-09-949-016-14684	Sequence 14684, A	C 344	14.4	72.0	2553	4	US-09-614-221A-350	Sequence 350, App
C 272	14.8	74.0	143350	4	US-09-949-016-14143	Sequence 1							

333	14.2	71.0	543	4	US-09-648-004-1	Sequence 1, Appli	466	14.2	71.0	2530	4	US-09-917-254-6	Sequence 6, Appli
334	14.2	71.0	543	4	US-10-272-419-1	Sequence 1, Appli	467	14.2	71.0	2568	4	US-09-799-451-193	Sequence 193, App
C 335	14.2	71.0	567	4	US-09-248-796A-8797	Sequence 8797, Ap	468	14.2	71.0	3007	4	US-09-710-279-3846	Sequence 3846, Ap
C 336	14.2	71.0	575	4	US-09-663-751-108	Sequence 108, App	469	14.2	71.0	3090	4	US-09-710-279-3599	Sequence 3599, Ap
C 337	14.2	71.0	584	4	US-09-735-846-5	Sequence 5, Appli	470	14.2	71.0	3176	4	US-08-956-171E-415	Sequence 415, App
C 338	14.2	71.0	589	4	US-09-270-767-7149	Sequence 7149, Ap	471	14.2	71.0	3176	4	US-08-781-986A-415	Sequence 415, App
C 339	14.2	71.0	589	4	US-09-270-767-7149	Sequence 7149, Ap	472	14.2	71.0	3270	4	US-09-919-497-33	Sequence 33, Appl
C 340	14.2	71.0	601	4	US-09-949-016-26491	Sequence 26491, A	473	14.2	71.0	3533	2	US-08-476-062A-40	Sequence 40, Appl
C 341	14.2	71.0	601	4	US-09-949-016-26492	Sequence 26492, A	474	14.2	71.0	3533	5	PCT-US96-01314-40	Sequence 40, Appl
C 342	14.2	71.0	601	4	US-09-949-016-26493	Sequence 26493, A	475	14.2	71.0	3533	6	PATENT NO. 5424399	Patent No. 5424399
C 343	14.2	71.0	601	4	US-09-949-016-27411	Sequence 27411, A	476	14.2	71.0	3533	6	5424399-1	Patent No. 5424399
C 344	14.2	71.0	601	4	US-09-949-016-27412	Sequence 27412, A	477	14.2	71.0	3595	4	US-09-023-655-1147	Sequence 1147, Ap
C 345	14.2	71.0	601	4	US-09-949-016-32635	Sequence 32635, A	478	14.2	71.0	3649	4	US-09-710-279-3340	Sequence 3340, Ap
C 346	14.2	71.0	601	4	US-09-949-016-39198	Sequence 39198, A	479	14.2	71.0	3666	4	US-09-710-279-4230	Sequence 4230, Ap
C 347	14.2	71.0	601	4	US-09-949-016-39200	Sequence 39200, A	480	14.2	71.0	3864	4	US-09-710-279-3727	Sequence 3727, Ap
C 348	14.2	71.0	601	4	US-09-949-016-39201	Sequence 39201, A	481	14.2	71.0	3906	4	US-09-799-451-30	Sequence 30, Appl
C 349	14.2	71.0	601	4	US-09-949-016-40702	Sequence 40702, A	482	14.2	71.0	4308	4	US-09-023-655-1178	Sequence 1178, Ap
C 350	14.2	71.0	601	4	US-09-949-016-40703	Sequence 40703, A	483	14.2	71.0	4308	4	US-09-614-221A-599	Sequence 599, App
C 351	14.2	71.0	601	4	US-09-949-016-46841	Sequence 46841, A	484	14.2	71.0	4407	3	US-08-976-259-75	Sequence 75, Appl
C 352	14.2	71.0	601	4	US-09-949-016-46842	Sequence 46842, A	485	14.2	71.0	4407	4	US-09-956-004-75	Sequence 75, Appl
C 353	14.2	71.0	601	4	US-09-949-016-52112	Sequence 52112, A	486	14.2	71.0	5379	6	5223424-5	Patent No. 5223424
C 354	14.2	71.0	601	4	US-09-949-016-60615	Sequence 60615, A	487	14.2	71.0	5379	6	5223424-5	Patent No. 5223424
C 355	14.2	71.0	601	4	US-09-949-016-60616	Sequence 60616, A	488	14.2	71.0	5423	4	US-08-956-171E-24	Sequence 24, Appl
C 356	14.2	71.0	601	4	US-09-949-016-69277	Sequence 69277, A	489	14.2	71.0	5423	4	US-08-781-986A-24	Sequence 24, Appl
C 357	14.2	71.0	601	4	US-09-949-016-69278	Sequence 69278, A	490	14.2	71.0	6367	1	US-08-470-299-1	Sequence 1, Appl
C 358	14.2	71.0	601	4	US-09-949-016-69439	Sequence 69439, A	491	14.2	71.0	6367	3	US-08-776-511-3	Sequence 3, Appl
C 359	14.2	71.0	601	4	US-09-949-016-69863	Sequence 69863, A	492	14.2	71.0	6926	1	US-08-470-299-2	Sequence 2, Appl
C 360	14.2	71.0	601	4	US-09-949-016-69864	Sequence 69864, A	493	14.2	71.0	7633	3	US-09-028-851-1	Sequence 1, Appl
C 361	14.2	71.0	601	4	US-09-949-016-69865	Sequence 69865, A	494	14.2	71.0	7633	3	US-08-815-520-1	Sequence 1, Appl
C 362	14.2	71.0	601	4	US-09-949-016-85029	Sequence 85029, A	495	14.2	71.0	7633	3	US-09-273-163-1	Sequence 1, Appl
C 363	14.2	71.0	601	4	US-09-949-016-85030	Sequence 85030, A	496	14.2	71.0	7720	3	US-09-318-448-5	Sequence 5, Appl
C 364	14.2	71.0	601	4	US-09-949-016-85180	Sequence 85180, A	497	14.2	71.0	9458	4	US-08-956-171E-114	Sequence 114, App
C 365	14.2	71.0	601	4	US-09-949-016-85181	Sequence 85181, A	498	14.2	71.0	9458	4	US-08-781-986A-114	Sequence 114, App
C 366	14.2	71.0	601	4	US-09-949-016-88782	Sequence 88782, A	499	14.2	71.0	10785	3	US-08-444-644-27	Sequence 27, Appl
C 367	14.2	71.0	601	4	US-09-949-016-112154	Sequence 112154, A	500	14.2	71.0	10785	3	US-08-232-246A-27	Sequence 27, Appl
C 368	14.2	71.0	601	4	US-09-949-016-120897	Sequence 120897, A							
C 369	14.2	71.0	601	4	US-09-949-016-120897	Sequence 120897, A							
C 370	14.2	71.0	601	4	US-09-949-016-14949	Sequence 14949, A							
C 371	14.2	71.0	601	4	US-09-949-016-14949	Sequence 14949, A							
C 372	14.2	71.0	601	4	US-09-949-016-158353	Sequence 158353, A							
C 373	14.2	71.0	601	4	US-09-949-016-163204	Sequence 163204, A							
C 374	14.2	71.0	601	4	US-09-949-016-164972	Sequence 164972, A							
C 375	14.2	71.0	601	4	US-09-949-016-167843	Sequence 167843, A							
C 376	14.2	71.0	601	4	US-09-949-016-167845	Sequence 167845, A							
C 377	14.2	71.0	601	4	US-09-949-016-167846	Sequence 167846, A							
C 378	14.2	71.0	601	4	US-09-949-016-169474	Sequence 169474, A							
C 379	14.2	71.0	601	4	US-09-949-016-199238	Sequence 199238, A							
C 380	14.2	71.0	609	4	US-09-248-796A-3922	Sequence 3922, Ap							
C 381	14.2	71.0	669	4	US-09-328-352-2562	Sequence 2562, Ap							
C 382	14.2	71.0	699	4	US-09-489-039A-6062	Sequence 6062, Ap							
C 383	14.2	71.0	702	4	US-09-248-796A-1746	Sequence 1746, Ap							
C 384	14.2	71.0	716	2	US-08-607-412-1	Sequence 1, Appli							
C 385	14.2	71.0	774	4	US-09-710-279-3243	Sequence 3243, Ap							
C 386	14.2	71.0	804	3	US-09-134-001C-1702	Sequence 1702, Ap							
C 387	14.2	71.0	825	4	US-08-956-171E-1111	Sequence 1111, Ap							
C 388	14.2	71.0	825	4	US-08-781-986A-1111	Sequence 1111, Ap							
C 389	14.2	71.0	885	4	US-09-540-236-1751	Sequence 1751, Ap							
C 390	14.2	71.0	888	4	US-09-583-110-520	Sequence 520, App							
C 391	14.2	71.0	900	4	US-09-248-796A-6667	Sequence 6667, Ap							
C 392	14.2	71.0	909	4	US-09-489-039A-3352	Sequence 3352, Ap							
C 393	14.2	71.0	972	4	US-09-107-433-807	Sequence 807, App							
C 394	14.2	71.0	1047	3	US-08-936-165A-221	Sequence 221, App							
C 395	14.2	71.0	1143	3	US-09-134-001C-1721	Sequence 1721, Ap							
C 396	14.2	71.0	1146	4	US-09-540-236-1401	Sequence 1401, Ap							
C 397	14.2	71.0	1206	4	US-09-602-777A-281	Sequence 281, App							
C 398	14.2	71.0	1209	4	US-09-328-352-1076	Sequence 1076, Ap							
C 399	14.2	71.0	1299	4	US-09-107-532A-3182	Sequence 3182, App							
C 400	14.2	71.0	1403	4	US-09-620-312D-746	Sequence 746, App							
C 401	14.2	71.0	1494	4	US-09-735-846-19	Sequence 19, Appl							
C 402	14.2	71.0	1521	4	US-09-248-796A-5972	Sequence 5972, Ap							
C 403	14.2	71.0	1773	4	US-09-493-050A-51	Sequence 51, Appl							
C 404	14.2	71.0	1863	4	US-09-248-796A-4648	Sequence 4648, Ap							
C 405	14.2	71.0	1974	1	US-08-413-135-3	Sequence 3, Appli							
C 406	14.2	71.0	1974	3	US-08-971-395-3	Sequence 3, Appli							
C 407	14.2	71.0	2503	4	US-09-602-777A-277	Sequence 277, App							
													Sequence Match 100.0%; Score 20; DB 3; Length 20;
													Best Local Similarity 100.0%; Pred. No. 0.59; Indels 0; Gaps 0;
													Mismatches 0; Mismatches 0; Indels 0; Gaps 0;


```

; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/956,171E
; FILING DATE: 20-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 1722:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1722:
US-08-956-171E-1722
Query Match      84.0%; Score 16.8; DB 4; Length 325;
Best Local Similarity 90.0%; Pred. No. 41;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGTTGGTAATGACTGCA 20
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Db       57 AACGTGTGTAATGACTGCA 38

RESULT 3
US-08-956-1722/c
; Sequence 1722, Application US/08781986A
; Patent No. 6737248
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/956,171E
; FILING DATE: 20-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 1722:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1722:
US-08-956-171E-1722
Query Match      84.0%; Score 16.8; DB 4; Length 325;
Best Local Similarity 90.0%; Pred. No. 41;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGTTGGTAATGACTGCA 20
        ||| ||||| ||||| |||||
Db       57 AACGTGTGTAATGACTGCA 38

GENERAL INFORMATION:
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 1722:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-781-986A-1722
Query Match      84.0%; Score 16.8; DB 4; Length 325;
Best Local Similarity 90.0%; Pred. No. 41;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGTTGGTAATGACTGCA 20
        ||| ||||| ||||| |||||
Db       57 AACGTGTGTAATGACTGCA 38

RESULT 4
US-09-949-016-87851/c
; Sequence 87851, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 87851
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-87851
Query Match      84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGTTGGTAATGACTGCA 20
        ||||| ||||| ||||| |||||
Db       250 AAATTGAGTGAATGCTGCA 231

RESULT 5
US-09-949-016-87852/c
; Sequence 87852, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
```

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 87852
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-87852

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTGCA 20
||||| ||||||| |||||
Db 249 AAATTGAGTGAATGATGCA 230

RESULT 6
US-09-949-016-183202/c
; Sequence 183202, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 183202
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-183202

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTGCA 20
||||| ||||||| |||||
Db 156 AAATTGGTGAATGATGCA 137

RESULT 7
US-09-949-016-186785/c
; Sequence 186785, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 186785
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-186785

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTGCA 20
||||| ||||||| |||||
Db 520 AAATTGGTGAATGCTGCA 501

RESULT 8
US-09-949-016-186786/c
; Sequence 186786, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 186786
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-186786

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTGCA 20
||||| ||||||| |||||
Db 392 AAATTGGTGAATGCTGCA 373

RESULT 9
US-08-956-171E-38
; Sequence 38, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue

; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11945
; LENGTH: 86439
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-11945

Query Match 84.0%; Score 16.8; DB 4; Length 86439;
Best Local Similarity 90.0%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTAAATGACTGCA 20
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Db 23617 AAATTGGTAAATGACTGCA 23598

RESULT 13

US-09-949-016-16990/c
; Sequence 16990, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16990
; LENGTH: 86440
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16990

Query Match 84.0%; Score 16.8; DB 4; Length 86440;
Best Local Similarity 90.0%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTAAATGACTGCA 20
|||||
Db 23617 AAATTGGTAAATGACTGCA 23598

RESULT 14

US-09-949-016-17078/c
; Sequence 17078, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 17078
; LENGTH: 123463
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(123463)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17078

Query Match 84.0%; Score 16.8; DB 4; Length 123463;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTAAATGACTGCA 20
|||||
Db 29756 AAATTGGTAAATGACTGCA 29737

RESULT 15

US-09-949-016-12257/c
; Sequence 12257, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12257
; LENGTH: 129327
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(129327)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12257

Query Match 84.0%; Score 16.8; DB 4; Length 129327;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTAAATGACTGCA 20
|||||
Db 68053 AAATTGGTAAATGACTGCA 68034

RESULT 16

US-09-949-016-15368/c
; Sequence 15368, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15368
; LENGTH: 129327
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(129327)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15368

Query Match 84.0%; Score 16.8; DB 4; Length 129327;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
|||||
DB 68053 AAATTGGTGAATGACTGCA 68034

RESULT 17
US-09-949-016-15999
; Sequence 15999, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15999
; LENGTH: 169334
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(169334)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15999

Query Match 84.0%; Score 16.8; DB 4; Length 169334;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
|||||
DB 62791 AAATTGGTGAATGACTGCA 62810

RESULT 18
US-09-949-016-13477
; Sequence 13477, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13477
; LENGTH: 232024
; TYPE: DNA
; ORGANISM: Human
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13477

Query Match 84.0%; Score 16.8; DB 4; Length 232024;
Best Local Similarity 90.0%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
|||||
DB 130268 AAATTGGTGAATGACTGCA 130287

RESULT 19
US-09-949-016-12583/c
; Sequence 12583, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12583
; LENGTH: 254964
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(254964)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12583

Query Match 84.0%; Score 16.8; DB 4; Length 254964;
Best Local Similarity 90.0%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
|||||
DB 16610 AAATTGGTGAATGACTGCA 16591

RESULT 20
US-09-949-016-17392/c
; Sequence 17392, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768

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/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 17392
/ LENGTH: 254964
/ TYPE: DNA
/ ORGANISM: Human
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)...(254964)
/ OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17392

Query Match      84.0%; Score 16.8; DB 4; Length 254964;
Best Local Similarity 90.0%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
    ||||| ||||| ||||| |||||
Db 16610 AAATAGTGGTAATGATTGCA 16591

RESULT 21
US-09-949-016-12505/c
/ Sequence 12505, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 12505
/ LENGTH: 670689
/ TYPE: DNA
/ ORGANISM: Human
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)...(670689)
/ OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12505

Query Match      84.0%; Score 16.8; DB 4; Length 670689;
Best Local Similarity 90.0%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
    ||||| ||||| ||||| |||||
Db 359883 AAATTGAGGTAATGATTGCA 359864

RESULT 22
US-09-949-016-14207/c
/ Sequence 14207, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
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/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 14207
/ LENGTH: 670690
/ TYPE: DNA
/ ORGANISM: Human
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)...(670690)
/ OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14207

Query Match      84.0%; Score 16.8; DB 4; Length 670690;
Best Local Similarity 90.0%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
    ||||| ||||| ||||| |||||
Db 359883 AAATTGAGGTAATGATTGCA 359864

RESULT 23
US-09-751-389-3/c
/ Sequence 3, Application US/09751389
/ Patent No. 6630334
/ GENERAL INFORMATION:
/ APPLICANT: GUEGLER, Karl et al
/ TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
/ TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
/ TITLE OF INVENTION: THEREOF
/ FILE REFERENCE: CL001067
/ CURRENT APPLICATION NUMBER: US/09/751,389
/ CURRENT FILING DATE: 2001-01-02
/ NUMBER OF SEQ ID NOS: 8
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 3
/ LENGTH: 786431
/ TYPE: DNA
/ ORGANISM: Human
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)...(786431)
/ OTHER INFORMATION: n = A,T,C or G
US-09-751-389-3

Query Match      84.0%; Score 16.8; DB 4; Length 786431;
Best Local Similarity 90.0%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
    ||||| ||||| ||||| |||||
Db 282900 AAATTGAGGTAATGACTCCA 282881

RESULT 24
US-09-222-575-50/c
/ Sequence 50, Application US/09222575
/ Patent No. 6387697
/ GENERAL INFORMATION:
/ APPLICANT: Yuqiu, Jiang
/ APPLICANT: Dillon, Davin C.
/ APPLICANT: Mitcham, Jennifer L.
/ APPLICANT: Xu, Jiangchun
/ TITLE OF INVENTION: Compositions for the Treatment and Diagnosis of Breast Cancer
/ TITLE OF INVENTION: and Methods for Their Use
/ FILE REFERENCE: 210121.470
/ CURRENT APPLICATION NUMBER: US/09/222,575
```

; CURRENT FILING DATE: 1998-12-28
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Human
US-09-222-575-50

Query Match 82.0%; Score 16.4; DB 3; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGCGTAATGACTG 18
| | | | | | | | | | | | | | | | | | | | | |
Db 232 AAATTGCGTAAGACTG 215

RESULT 25
US-09-389-681-50/c
; Sequence 50, Application US/09389681A
; Patent No. 6518237
; GENERAL INFORMATION:
; APPLICANT: Yuqui, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C3
; CURRENT APPLICATION NUMBER: US/09/389,681A
; CURRENT FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-389-681-50

Query Match 82.0%; Score 16.4; DB 4; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGCGTAATGACTG 18
| | | | | | | | | | | | | | | | | | | | | |
Db 232 AAATTGCGTAAGACTG 215

RESULT 26
US-09-620-405B-50/c
; Sequence 50, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqui
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C8
; CURRENT APPLICATION NUMBER: US/09/620,405B
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-620-405B-50

Query Match 82.0%; Score 16.4; DB 4; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGCGTAATGACTG 18
| | | | | | | | | | | | | | | | | | | | | |
Db 232 AAATTGCGTAAGACTG 215

RESULT 27
US-09-339-338-50/c
; Sequence 50, Application US/09339338A
; Patent No. 6573368
; GENERAL INFORMATION:
; APPLICANT: Yuqui, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339,338A
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-339-338-50

Query Match 82.0%; Score 16.4; DB 4; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGCGTAATGACTG 18
| | | | | | | | | | | | | | | | | | | | | |
Db 232 AAATTGCGTAAGACTG 215

RESULT 28
US-09-433-826B-50/c
; Sequence 50, Application US/09433826B
; Patent No. 6579973
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqui
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C4
; CURRENT APPLICATION NUMBER: US/09/433,826B
; CURRENT FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 474
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-433-826B-50

Query Match 82.0%; Score 16.4; DB 4; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGCGTAATGACTG 18
| | | | | | | | | | | | | | | | | | | | | |
Db 232 AAATTGCGTAAGACTG 215

RESULT 29

US-09-604-287A-50/c
; Sequence 50, Application US/09604287A
; Patent No. 6586572
; GENERAL INFORMATION:

; APPLICANT: Jiang, Yuqui
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER

; FILE REFERENCE: 210121.470C7

; CURRENT APPLICATION NUMBER: US/09/604,287A

; CURRENT FILING DATE: 2000-06-22

; NUMBER OF SEQ ID NOS: 489

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 50

; LENGTH: 271

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-604-287A-50

Query Match 82.0%; Score 16.4; DB 4; Length 271;

Best Local Similarity 94.4%; Pred. No. 64;

Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18

|||||

Db 232 AAATTGGTGAAGACTG 215

RESULT 30

US-09-285-480-50/c

; Sequence 50, Application US/09285480

; Patent No. 6590076

; GENERAL INFORMATION:

; APPLICANT: Yuqui, Jiang

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Xu, Jiangchun

; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND

; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE

; FILE REFERENCE: 210121.470C1

; CURRENT APPLICATION NUMBER: US/09/285,480

; CURRENT FILING DATE: 1999-04-02

; NUMBER OF SEQ ID NOS: 181

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 50

; LENGTH: 271

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-285-480-50

Query Match

Best Local Similarity 94.4%; Pred. No. 64;

Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18

|||||

Db 232 AAATTGGTGAAGACTG 215

RESULT 31

US-09-834-759-50/c

; Sequence 50, Application US/09834759

; Patent No. 6680197

; GENERAL INFORMATION:

; APPLICANT: Jiang, Yuqui

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Xu, Jiangchun

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER

; FILE REFERENCE: 210121.470C9

; CURRENT APPLICATION NUMBER: US/09/834,759

; CURRENT FILING DATE: 2001-04-13

; NUMBER OF SEQ ID NOS: 547

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 50

; LENGTH: 271

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-834-759-50

Query Match

Best Local Similarity 94.4%; Pred. No. 64;

Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18

|||||

Db 232 AAATTGGTGAAGACTG 215

RESULT 32

US-09-590-751A-50/c

; Sequence 50, Application US/09590751A

; Patent No. 6756477

; GENERAL INFORMATION:

; APPLICANT: Yuqui, Jiang

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Xu, Jiangchun

; APPLICANT: Harlocker, Susan L.

; TITLE OF INVENTION: COMPOSITIONS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER

; FILE REFERENCE: 210121.470C6

; CURRENT APPLICATION NUMBER: US/09/590,751A

; CURRENT FILING DATE: 2000-06-08

; NUMBER OF SEQ ID NOS: 479

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 50

; LENGTH: 271

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-590-751A-50

Query Match

Best Local Similarity 94.4%; Pred. No. 64;

Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18

|||||

Db 232 AAATTGGTGAAGACTG 215

RESULT 33

US-09-551-621-50/c

; Sequence 50, Application US/09551621

; Patent No. 6825175

; GENERAL INFORMATION:

; APPLICANT: Yuqui, Jiang

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Xu, Jiangchun

; APPLICANT: Harlocker, Susan L.

; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND

; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE

; FILE REFERENCE: 210121.470C5

; CURRENT APPLICATION NUMBER: US/09/551,621

; CURRENT FILING DATE: 2000-04-17

; NUMBER OF SEQ ID NOS: 479

; SOFTWARE: FastSeq for Windows Version 3.0


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; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-551-621-50

Query Match      82.0%; Score 16.4; DB 4; Length 271;
Best Local Similarity 94.4%; Pred. No. 64;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 232 AAATTGCGTAAGACTG 215

RESULT 34
US-09-702-705-1279
; Sequence 1279, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-702-705-1279

Query Match      82.0%; Score 16.4; DB 4; Length 580;
Best Local Similarity 94.4%; Pred. No. 73;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 201 AAATTGCGTAAGACTG 218

RESULT 35
US-09-736-457-1279
; Sequence 1279, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-736-457-1279

Query Match      82.0%; Score 16.4; DB 4; Length 580;
Best Local Similarity 94.4%; Pred. No. 73;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 201 AAATTGCGTAAGACTG 218

RESULT 36
US-09-614-124B-1279
; Sequence 1279, Application US/09614124B
; Patent No. 6630574
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C9
; CURRENT APPLICATION NUMBER: US/09/614,124B
; CURRENT FILING DATE: 2001-07-11
; NUMBER OF SEQ ID NOS: 1668
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-614-124B-1279

Query Match      82.0%; Score 16.4; DB 4; Length 580;
Best Local Similarity 94.4%; Pred. No. 73;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 201 AAATTGCGTAAGACTG 218

RESULT 37
US-09-671-325-1279
; Sequence 1279, Application US/09671325
; Patent No. 6667154
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C12
; CURRENT APPLICATION NUMBER: US/09/671,325
; CURRENT FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 1825
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1279
; LENGTH: 580
```

```
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-671-325-1279

Query Match      82.0%; Score 16.4; DB 4; Length 580;
Best Local Similarity 94.4%; Pred. No. 73;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
   |||||
Db 201 AAATTGCGTAAGACTG 218

RESULT 38
US-09-658-824-1279
; Sequence 1279, Application US/09658824
; Patent No. 6746846
; GENERAL INFORMATION:
; APPLICANT: Wang, TongLong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C11
; CURRENT APPLICATION NUMBER: US/09/658,824
; CURRENT FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 1788
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-658-824-1279

Query Match      82.0%; Score 16.4; DB 4; Length 580;
Best Local Similarity 94.4%; Pred. No. 73;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
   |||||
Db 201 AAATTGCGTAAGACTG 218

RESULT 39
US-09-949-016-157857
; Sequence 157857, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157857
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-157857
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Query Match      82.0%; Score 16.4; DB 4; Length 601;
Best Local Similarity 94.4%; Pred. No. 74;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 ATTGTGTAATGACTGCA 20
   |||||
Db 281 ATTGTGTAATGACTGCA 298

RESULT 40
US-09-949-016-157858
; Sequence 157858, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157858
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-157858

Query Match      82.0%; Score 16.4; DB 4; Length 601;
Best Local Similarity 94.4%; Pred. No. 74;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 ATTGTGTAATGACTGCA 20
   |||||
Db 180 ATTGTGTAATGACTGCA 197

RESULT 41
US-09-949-016-157859
; Sequence 157859, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157859
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-157859

Query Match      82.0%; Score 16.4; DB 4; Length 601;
Best Local Similarity 94.4%; Pred. No. 74;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

OY 3 ATTGTGGTAATGACTGCA 20
Db 109 ATTGTGGTGATGACTGCA 126

RESULT 42
US-09-949-016-157860
; Sequence 157860, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157860
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-157860

Query Match 82.0%; Score 16.4; DB 4; Length 601;
Best Local Similarity 94.4%; Pred. No. 74;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 3 ATTGTGGTAATGACTGCA 20
Db 29 ATTGTGGTGATGACTGCA 46

RESULT 43
US-09-221-017B-741/c
; Sequence 741, Application US/09221017B
; Patent No. 6444799
; GENERAL INFORMATION:
; APPLICANT: Ross, Bruce C.
; TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
; NUMBER OF SEQUENCES: 1120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/221,017B
; FILING DATE: 23-DEC-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PP1182
; FILING DATE: 31-DEC-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PP1546
; FILING DATE: 30-JAN-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PP2911
; FILING DATE: 09-APR-1998
; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/AU98/01023
; FILING DATE: 10-DEC-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Montoy, Gladys H
; REGISTRATION NUMBER: 32,430
; REFERENCE/DOCKET NUMBER: 27340-20021.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 741:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: UNKNOWN
; ORIGINAL SOURCE:
; ORGANISM: PORPHYROMONAS GINGIVALIS
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1...639
US-09-221-017B-741

Query Match 82.0%; Score 16.4; DB 3; Length 639;
Best Local Similarity 94.4%; Pred. No. 74;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 3 ATTGTGGTAATGACTGCA 20
Db 561 ATTGTAGTAATGACTGCA 544

RESULT 44
US-09-671-317-149
; Sequence 149, Application US/09671317
; Patent No. 6528260
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
; FILE REFERENCE: 62.US3.CIP
; CURRENT APPLICATION NUMBER: US/09/671,317
; CURRENT FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 09/536,178
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT/IB00/00403
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: US 60/136,269
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/131,961
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 977
; SOFTWARE: Patent.pm
; SEQ ID NO 149
; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 12-317-259 : polymorphic base G or A
; NAME/KEY: misc_binding
; LOCATION: 481_500
; OTHER INFORMATION: 12-317-259.mis1, potential
; NAME/KEY: misc_binding
; LOCATION: 502..521
; OTHER INFORMATION: 12-317-259.mis2, potential complement
; NAME/KEY: primer_bind

; LOCATION: 742..759
; OTHER INFORMATION: upstream amplification primer, complement
; NAME/KEY: primer_bind
; LOCATION: 297..317
; OTHER INFORMATION: downstream amplification primer
; NAME/KEY: misc_binding
; LOCATION: 489..513
; OTHER INFORMATION: 12-317-259 potential probe
; NAME/KEY: misc_feature
; LOCATION: 426,432,443,459,841,849..850,898,914
; OTHER INFORMATION: n=a, g, c or t
US-09-671-317-149

Query Match 82.0%; Score 16.4; DB 4; Length 1001;
Best Local Similarity 94.4%; Pred. No. 80;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 ATTGTGGTAATGACTGCA 20
|||||
DB 182 ATTGTGGTAATGCTGCA 199

RESULT 45
US-09-702-705-1792
; Sequence 1792, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1792
; LENGTH: 2279
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-702-705-1792

Query Match 82.0%; Score 16.4; DB 4; Length 2279;
Best Local Similarity 94.4%; Pred. No. 93;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
|||||
DB 1833 AAATTGGTGAAGACTG 1850

RESULT 46
US-09-736-457-1792
; Sequence 1792, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1792
; LENGTH: 2279
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-736-457-1792

Query Match 82.0%; Score 16.4; DB 4; Length 2279;
Best Local Similarity 94.4%; Pred. No. 93;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
|||||
DB 1833 AAATTGGTGAAGACTG 1850

RESULT 47
US-09-671-325-1792
; Sequence 1792, Application US/09671325
; Patent No. 6667154
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C12
; CURRENT APPLICATION NUMBER: US/09/671,325
; CURRENT FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 1825
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1792
; LENGTH: 2279
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-671-325-1792

Query Match 82.0%; Score 16.4; DB 4; Length 2279;
Best Local Similarity 94.4%; Pred. No. 93;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
|||||
DB 1833 AAATTGGTGAAGACTG 1850

RESULT 48
US-09-895-652A-7
; Sequence 7, Application US/09895652A
; Patent No. 6774223
; GENERAL INFORMATION:
; APPLICANT: Macina, Roberta
; APPLICANT: Pillai, Rageswari
; TITLE OF INVENTION: Method of Diagnosing, Monitoring, Staging, Imaging and
; TITLE OF INVENTION: Treating Colon Cancer
; FILE REFERENCE: DEX-0211
; CURRENT APPLICATION NUMBER: US/09/895,652A
; CURRENT FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: 60/214,515
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 39

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 4142
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-652A-7

Query Match      82.0%; Score 16.4; DB 4; Length 4142;
Best Local Similarity 94.4%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 AAATTGCTGTAATGACTG 18
Db      3561 AAATTGCTGTAAGACTG 3578

RESULT 49
US-09-949-016-16115
; Sequence 16115, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16115
; LENGTH: 59319
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16115
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```

Query Match      82.0%; Score 16.4; DB 4; Length 59319;
Best Local Similarity 94.4%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 AAATTGCTGTAATGACTG 18
Db      13061 AAATTGCTGTAATGATTG 13078
```

```

RESULT 50
US-09-949-016-12343
; Sequence 12343, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12343
; LENGTH: 113042
; TYPE: DNA
; ORGANISM: Human
```

```

US-09-949-016-12343

Query Match      82.0%; Score 16.4; DB 4; Length 113042;
Best Local Similarity 94.4%; Pred. No. 1.8e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      3 ATTGTGGTAATGACTGCA 20
Db      47927 ATTGTGGTAATGGCTGCA 47944

Search completed: June 2, 2005, 07:30:56
Job time : 93.1608 secs
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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:14:13 ; Search time 177.386 Seconds
(without alignments) 693.114 Million cell updates

Title: US-09-909-317-2

Perfect score:

perfect score: 20
 Sequence: 1 aaattgtgataatgactaca 20

Scoring table: IDENTITY NIC

scoring table: IDENTIFY_NOC
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Searched: 5706582 segs. 3073711274 residues

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Minimum DB seq length: 0

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 500 summaries

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14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq.*
18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq.*
19: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
20: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
21: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
22: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

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Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
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C 2	20	100.0	2085	11	US-09-309-317-5		Sequence 5, Appli
C 3	18.4	92.0	945	19	US-10-774-355A-643		Sequence 643, App
C 4	18	90.0	68732	18	US-10-322-281-560		Sequence 560, App
C 5	16.8	84.0	201	18	US-10-719-993-16987		Sequence 16987, A
C 6	16.8	84.0	201	18	US-10-719-993-16988		Sequence 16988, A
C 7	16.8	84.0	256	10	US-09-764-891-9678		Sequence 9678, Ap
C 8	16.8	84.0	325	8	US-08-781-986A-1722		Sequence 1722, Ap
C 9	16.8	84.0	325	17	US-10-329-624-1722		Sequence 1722, Ap
C 10	16.8	84.0	663	13	US-10-027-632-218409		Sequence 218409,
C 11	16.8	84.0	663	17	US-10-027-632-218409		Sequence 218409,

c 85	16.4	82.0	74520	13	US-10-087-192-499	Sequence 499, App	158	15.2	76.0	395	10	US-09-918-995-7647	Sequence 7647, Ap
c 86	16.4	82.0	90468	17	US-10-085-117-160	Sequence 160, App	159	15.2	76.0	397	18	US-10-357-930-35407	Sequence 35407, A
c 87	16.4	82.0	129042	13	US-10-087-192-1240	Sequence 1240, App	160	15.2	76.0	397	18	US-10-357-930-44240	Sequence 44240, A
c 88	16.4	82.0	131870	17	US-10-351-951-1	Sequence 1, Appl	161	15.2	76.0	405	9	US-09-960-352-11682	Sequence 11682, A
c 89	16.4	82.0	201239	19	US-10-278-698-246	Sequence 246, App	162	15.2	76.0	406	9	US-09-960-352-5335	Sequence 5335, Ap
c 90	16.4	82.0	201239	19	US-10-278-698-760	Sequence 760, App	163	15.2	76.0	406	9	US-09-960-352-5335	Sequence 5335, Ap
c 91	16.4	82.0	203264	13	US-10-087-192-988	Sequence 988, App	164	15.2	76.0	427	11	US-09-732-627A-3974	Sequence 3974, Ap
c 92	15.8	79.0	378	18	US-10-087-192-988	Sequence 988, App	164	15.2	76.0	449	9	US-09-220-091-15	Sequence 15, Appl
c 93	15.8	79.0	552	17	US-10-767-701-26357	Sequence 26357, A	165	15.2	76.0	455	9	US-09-864-761-1029	Sequence 1029, Ap
c 94	15.8	79.0	560	17	US-10-424-599-74553	Sequence 74553, A	166	15.2	76.0	469	17	US-10-242-535A-43054	Sequence 43054, A
c 95	15.8	79.0	598	13	US-10-424-599-138203	Sequence 138203, A	167	15.2	76.0	469	17	US-10-085-783A-43054	Sequence 43054, A
c 96	15.8	79.0	598	13	US-10-027-632-217022	Sequence 217022, A	168	15.2	76.0	472	17	US-10-152-319A-921	Sequence 921, App
c 97	15.8	79.0	608	18	US-10-027-632-217022	Sequence 217022, A	169	15.2	76.0	474	10	US-09-814-353-16316	Sequence 16316, A
c 98	15.8	79.0	743	18	US-10-437-963-88614	Sequence 88614, A	170	15.2	76.0	501	18	US-10-425-115-57006	Sequence 57006, A
c 99	15.8	79.0	827	17	US-10-425-115-175398	Sequence 175398, A	171	15.2	76.0	510	17	US-10-424-599-135090	Sequence 135090, A
c 100	15.8	79.0	827	17	US-10-172-118-269	Sequence 269, App	172	15.2	76.0	545	13	US-10-027-632-225398	Sequence 225398, A
c 101	15.8	79.0	1314	18	US-10-342-887-269	Sequence 269, App	173	15.2	76.0	545	13	US-10-027-632-225398	Sequence 225398, A
c 102	15.8	79.0	1993	18	US-10-439-247-21	Sequence 21, Appl	174	15.2	76.0	560	10	US-09-814-353-3618	Sequence 3618, Ap
c 103	15.8	79.0	2329	15	US-10-425-115-91587	Sequence 91587, A	175	15.2	76.0	560	10	US-09-814-353-3618	Sequence 3618, Ap
c 104	15.8	79.0	2329	15	US-10-205-823-253	Sequence 253, App	176	15.2	76.0	563	13	US-10-027-632-92596	Sequence 92596, A
c 105	15.8	79.0	2530	15	US-10-188-066-1	Sequence 1, Appl	177	15.2	76.0	563	13	US-10-027-632-92596	Sequence 92596, A
c 106	15.8	79.0	3535	9	US-09-220-091-16	Sequence 16, Appl	178	15.2	76.0	571	18	US-10-425-115-124292	Sequence 124292, A
c 107	15.8	79.0	5725	19	US-10-810-486-81	Sequence 81, Appl	179	15.2	76.0	576	18	US-10-357-930-38768	Sequence 38768, A
c 108	15.8	79.0	5725	19	US-10-810-486-81	Sequence 81, Appl	180	15.2	76.0	579	18	US-10-357-930-38768	Sequence 38768, A
c 109	15.8	79.0	21410	17	US-10-672-787-12	Sequence 12, Appl	181	15.2	76.0	582	18	US-10-437-963-950	Sequence 950, App
c 110	15.8	79.0	34562	17	US-10-417-476-28	Sequence 28, Appl	182	15.2	76.0	583	16	US-10-082-828A-125	Sequence 125, App
c 111	15.8	79.0	95982	13	US-10-087-192-2029	Sequence 2029, Ap	183	15.2	76.0	591	13	US-10-027-632-188885	Sequence 188885, A
c 112	15.8	79.0	96602	17	US-10-085-117-61	Sequence 61, Appl	184	15.2	76.0	591	13	US-10-027-632-188886	Sequence 188886, A
c 113	15.8	79.0	17538	13	US-10-087-192-1861	Sequence 1861, Ap	185	15.2	76.0	591	13	US-10-027-632-188887	Sequence 188887, A
c 114	15.8	79.0	183334	19	US-10-741-600-17646	Sequence 17646, A	186	15.2	76.0	591	17	US-10-027-632-188885	Sequence 188885, A
c 115	15.8	79.0	187844	18	US-10-719-993-6883	Sequence 6883, Ap	187	15.2	76.0	591	17	US-10-027-632-188886	Sequence 188886, A
c 116	15.8	79.0	196686	13	US-10-087-192-484	Sequence 484, App	188	15.2	76.0	591	17	US-10-027-632-188887	Sequence 188887, A
c 117	15.8	79.0	246940	18	US-10-322-696-58	Sequence 58, App	189	15.2	76.0	609	18	US-10-021-323-13	Sequence 13, Appl
c 118	15.8	79.0	300000	18	US-10-262-552-33	Sequence 33, Appl	190	15.2	76.0	609	18	US-10-021-323-13	Sequence 13, Appl
c 119	15.4	77.0	25	25	US-10-719-900-66387	Sequence 66387, A	191	15.2	76.0	653	11	US-09-969-034-2828	Sequence 2828, Ap
c 120	15.4	77.0	25	19	US-10-719-900-625898	Sequence 625898, A	192	15.2	76.0	657	13	US-10-027-632-258716	Sequence 258716, A
c 121	15.4	77.0	269	17	US-10-242-535A-42311	Sequence 42311, A	193	15.2	76.0	657	13	US-10-027-632-258716	Sequence 258716, A
c 122	15.4	77.0	269	17	US-10-085-783A-42311	Sequence 42311, A	194	15.2	76.0	788	13	US-10-027-632-120017	Sequence 120017, A
c 123	15.4	77.0	459	13	US-10-027-632-263817	Sequence 263817, A	195	15.2	76.0	788	17	US-10-027-632-120017	Sequence 120017, A
c 124	15.4	77.0	459	13	US-10-027-632-263817	Sequence 263817, A	196	15.2	76.0	797	17	US-10-424-599-94202	Sequence 94202, A
c 125	15.4	77.0	520	18	US-10-357-930-10243	Sequence 10243, A	197	15.2	76.0	802	13	US-10-027-632-172768	Sequence 172768, A
c 126	15.4	77.0	580	16	US-10-029-386-9047	Sequence 9047, Ap	198	15.2	76.0	802	17	US-10-282-122A-37285	Sequence 37285, A
c 127	15.4	77.0	913	18	US-10-437-963-89480	Sequence 89480, A	199	15.2	76.0	927	17	US-10-369-493-43537	Sequence 43537, A
c 128	15.4	77.0	1308	18	US-10-739-930-4377	Sequence 4377, Ap	200	15.2	76.0	951	17	US-10-343-561-52	Sequence 52, Appl
c 129	15.4	77.0	2773	13	US-10-027-632-111835	Sequence 111835, A	201	15.2	76.0	1000	18	US-10-425-114-35068	Sequence 35068, A
c 130	15.4	77.0	2773	13	US-10-027-632-111835	Sequence 111835, A	202	15.2	76.0	1000	18	US-10-425-114-35068	Sequence 35068, A
c 131	15.4	77.0	6557	18	US-10-672-764A-1	Sequence 1, Appl	203	15.2	76.0	1136	17	US-10-357-930-24172	Sequence 24172, A
c 132	15.4	77.0	6559	13	US-10-087-192-236	Sequence 236, App	204	15.2	76.0	1136	17	US-10-357-930-24172	Sequence 24172, A
c 133	15.4	77.0	8603	18	US-10-672-764A-40	Sequence 40, Appl	205	15.2	76.0	1198	17	US-10-425-114-10253	Sequence 10253, A5
c 134	15.4	77.0	10681	18	US-10-739-930-993	Sequence 993, App	206	15.2	76.0	1201	17	US-10-424-599-25675	Sequence 25675, A
c 135	15.4	77.0	33940	17	US-10-672-787-13	Sequence 13, Appl	207	15.2	76.0	1225	18	US-10-357-930-25675	Sequence 25675, A
c 136	15.4	77.0	67097	17	US-10-085-117-88	Sequence 88, Appl	208	15.2	76.0	1241	17	US-10-424-599-71056	Sequence 71056, A
c 137	15.4	77.0	89213	18	US-10-322-281-843	Sequence 843, App	209	15.2	76.0	1279	17	US-10-424-599-71056	Sequence 71056, A
c 138	15.4	77.0	91071	13	US-10-087-192-235	Sequence 235, App	210	15.2	76.0	1317	17	US-10-133-937-11	Sequence 11, Appl
c 139	15.4	77.0	146778	19	US-10-741-600-17710	Sequence 17710, A	211	15.2	76.0	1317	18	US-10-734-372A-44	Sequence 44, Appl
c 140	15.4	77.0	150351	18	US-10-322-281-453	Sequence 453, App	212	15.2	76.0	1341	17	US-10-282-122A-41755	Sequence 41755, A
c 141	15.4	77.0	653458	19	US-10-461-862-4	Sequence 4, Appl	213	15.2	76.0	1383	17	US-10-641-643-541	Sequence 541, App
c 142	15.2	76.0	201	18	US-10-741-601-11540	Sequence 11540, A	214	15.2	76.0	1481	17	US-10-424-599-29900	Sequence 29900, A
c 143	15.2	76.0	201	18	US-10-741-601-11541	Sequence 11541, A	215	15.2	76.0	1481	17	US-10-424-599-29900	Sequence 29900, A
c 144	15.2	76.0	201	18	US-10-741-601-11541	Sequence 11541, A	216	15.2	76.0	1674	17	US-10-094-749-41	Sequence 41, Appl
c 145	15.2	76.0	201	18	US-10-741-601-11541	Sequence 11541, A	217	15.2	76.0	1674	19	US-10-887-553A-568	Sequence 568, App
c 146	15.2	76.0	201	19	US-10-741-600-29164	Sequence 29164, A	218	15.2	76.0	1694	9	US-09-925-299-144	Sequence 144, App
c 147	15.2	76.0	201	19	US-10-741-600-29165	Sequence 29165, A	219	15.2	76.0	1694	10	US-09-925-299-144	Sequence 144, App
c 148	15.2	76.0	201	19	US-10-741-600-36128	Sequence 36128, A	220	15.2	76.0	1770	17	US-10-335-977-1260	Sequence 1260, Ap
c 149	15.2	76.0	201	19	US-10-741-600-64065	Sequence 64065, A	221	15.2	76.0	1779	17	US-10-335-977-1261	Sequence 1261, Ap
c 150	15.2	76.0	234	18	US-10-425-115-61133	Sequence 61133, A	222	15.2	76.0	1908	18	US-10-425-115-142922	Sequence 142922, A
c 151	15.2	76.0	280	17	US-10-424-599-68482	Sequence 68482, A	223	15.2	76.0	2000	9	US-09-938-842A-3195	Sequence 3195, Ap
c 152	15.2	76.0	290	18	US-10-425-115-154963	Sequence 154963, A	224	15.2	76.0	2000	11	US-09-938-842A-3195	Sequence 3195, Ap
c 153	15.2	76.0	329	17	US-10-424-599-4917	Sequence 4917, App	225	15.2	76.0	2016	17	US-10-320-891-28	Sequence 28, Appl
c 154	15.2	76.0	334	18	US-10-674-124A-4266	Sequence 4266, App	226	15.2	76.0	2184	18	US-10-437-963-72520	Sequence 72520, A
c 155	15.2	76.0	376	18	US-10-357-930-14293	Sequence 14293, A	227	15.2	76.0	2431	18	US-10-437-963-16112	Sequence 16112, A
c 156	15.2	76.0	390	17	US-10-242-535A-33544	Sequence 33544, A	228	15.2	76.0	2478	18	US-10-425-115-89528	Sequence 89528, A
c 157	15.2	76.0	390	17	US-10-085-783A-33544	Sequence 33544, A	229	15.2	76.0	2500	18	US-10-717-597-144	Sequence 144, App
c 158	15.2	76.0	390	17	US-10-085-783A-33544	Sequence 33544, A	230	15.2	76.0	2500	18	US-10-775-169-271	Sequence 271, App

231	15.2	76.0	2668	13	US-10-027-632-266084	Sequence 266084,	304	15.2	76.0	159980	18	US-10-422-522-32	Sequence 32, Appl
232	15.2	76.0	2668	13	US-10-027-632-266085	Sequence 266085,	c 305	15.2	76.0	161334	13	US-10-087-192-730	Sequence 730, App
233	15.2	76.0	2668	13	US-10-027-632-266086	Sequence 266086,	306	15.2	76.0	161652	15	US-10-081-327-40	Sequence 40, Appl
234	15.2	76.0	2668	13	US-10-027-632-266087	Sequence 266087,	307	15.2	76.0	223556	13	US-10-087-192-394	Sequence 394, App
235	15.2	76.0	2668	13	US-10-027-632-266088	Sequence 266088,	c 308	15.2	76.0	235033	15	US-10-301-844-1	Sequence 1, Appl
236	15.2	76.0	2668	13	US-10-027-632-266089	Sequence 266089,	c 309	15.2	76.0	237326	15	US-10-301-844-2	Sequence 2, Appl
237	15.2	76.0	2668	13	US-10-027-632-266090	Sequence 266090,	c 310	15.2	76.0	237961	17	US-10-433-580-2	Sequence 2, Appl
238	15.2	76.0	2668	13	US-10-027-632-266091	Sequence 266091,	c 311	15.2	76.0	247682	17	US-10-235-192A-28	Sequence 28, Appl
239	15.2	76.0	2668	17	US-10-027-632-266084	Sequence 266084,	c 312	15.2	76.0	255439	18	US-10-719-993-6799	Sequence 9, Appl
240	15.2	76.0	2668	17	US-10-027-632-266085	Sequence 266085,	c 313	15.2	76.0	256820	17	US-10-271-416-9	Sequence 9, Appl
241	15.2	76.0	2668	17	US-10-027-632-266086	Sequence 266086,	c 314	15.2	76.0	285020	13	US-10-087-192-1666	Sequence 1666, App
242	15.2	76.0	2668	17	US-10-027-632-266087	Sequence 266087,	c 315	15.2	76.0	314364	19	US-10-917-647-3	Sequence 3, Appl
243	15.2	76.0	2668	17	US-10-027-632-266088	Sequence 266088,	c 316	15.2	76.0	318760	18	US-10-719-993-6765	Sequence 6765, App
244	15.2	76.0	2668	17	US-10-027-632-266089	Sequence 266089,	c 317	15.2	76.0	379652	19	US-10-481-613-721	Sequence 71, Appl
245	15.2	76.0	2668	17	US-10-027-632-266090	Sequence 266090,	318	15.2	76.0	653122	13	US-10-087-192-226	Sequence 226, App
246	15.2	76.0	2668	17	US-10-027-632-266091	Sequence 266091,	c 319	15.2	76.0	786452	18	US-10-719-993-6822	Sequence 6822, App
247	15.2	76.0	2668	18	US-10-437-963-24113	Sequence 24113, A	c 320	15	75.0	271	17	US-10-424-599-73312	Sequence 73312, A
248	15.2	76.0	2668	17	US-10-259-194A-71	Sequence 71, Appl	c 321	15	75.0	581	18	US-10-357-930-55968	Sequence 55968, A
249	15.2	76.0	2668	18	US-10-437-963-24115	Sequence 24115, A	c 322	15	75.0	5317	17	US-10-369-493-27921	Sequence 27921, A
c 250	15.2	76.0	3001	17	US-10-437-963-24115	Sequence 130, App	c 323	15	75.0	14036	10	US-09-764-872-818	Sequence 818, App
251	15.2	76.0	3378	17	US-10-276-774-884	Sequence 884, App	c 324	15	75.0	403035	18	US-10-741-601-5729	Sequence 5729, App
252	15.2	76.0	3387	13	US-10-027-632-113840	Sequence 113840,	c 325	14.8	74.0	25	15	US-10-098-263B-87805	Sequence 87805, A
253	15.2	76.0	3387	17	US-10-027-632-113840	Sequence 113840,	c 326	14.8	74.0	25	15	US-10-719-900-835712	Sequence 835712, A
254	15.2	76.0	5099	14	US-10-043-344-4	Sequence 4, Appl	c 327	14.8	74.0	65	10	US-09-908-975-30785	Sequence 30785, A
c 255	15.2	76.0	6295	18	US-10-437-963-16209	Sequence 16209, A	c 328	14.8	74.0	102	9	US-09-864-761-21435	Sequence 21435, A
c 256	15.2	76.0	6372	18	US-10-437-963-72169	Sequence 72169, A	c 329	14.8	74.0	132	9	US-09-864-761-17171	Sequence 17171, A
257	15.2	76.0	6447	15	US-10-311-455-1060	Sequence 1060, App	c 330	14.8	74.0	201	18	US-10-719-993-25484	Sequence 25484, A
258	15.2	76.0	6447	15	US-10-240-485-86	Sequence 86, Appl	c 331	14.8	74.0	201	18	US-10-719-993-25500	Sequence 25500, A
259	15.2	76.0	6447	18	US-10-433-793-4	Sequence 4, Appl	c 332	14.8	74.0	201	19	US-10-711-600-34871	Sequence 34871, A
c 260	15.2	76.0	6973	8	US-08-945-567D-1	Sequence 1, Appl	c 333	14.8	74.0	213	9	US-09-864-761-19723	Sequence 19723, A
c 261	15.2	76.0	6973	8	US-08-621-944A-1	Sequence 1, Appl	c 334	14.8	74.0	250	11	US-09-987-899-6996	Sequence 6996, App
c 262	15.2	76.0	6973	16	US-10-175-282-1	Sequence 1, Appl	c 335	14.8	74.0	251	11	US-09-987-899-6995	Sequence 6995, App
c 263	15.2	76.0	6973	16	US-10-175-275-1	Sequence 1, Appl	c 336	14.8	74.0	256	11	US-10-425-115-137694	Sequence 137694, A
c 264	15.2	76.0	10225	17	US-10-242-355-785	Sequence 785, App	c 337	14.8	74.0	256	11	US-09-987-899-6993	Sequence 6993, App
265	15.2	76.0	10225	17	US-10-242-355-786	Sequence 786, App	c 338	14.8	74.0	266	16	US-10-010-729-75	Sequence 75, Appl
266	15.2	76.0	10619	14	US-10-239-676-2	Sequence 2, Appl	c 339	14.8	74.0	270	11	US-09-987-899-6997	Sequence 6997, App
267	15.2	76.0	10619	15	US-10-311-455-44	Sequence 44, Appl	c 340	14.8	74.0	271	10	US-09-918-995-31277	Sequence 31277, A
268	15.2	76.0	10619	15	US-10-240-453-2	Sequence 2, Appl	c 341	14.8	74.0	273	11	US-09-987-899-6998	Sequence 6998, App
269	15.2	76.0	10619	17	US-10-240-589C-2	Sequence 2, Appl	c 342	14.8	74.0	281	11	US-09-987-899-7001	Sequence 7001, App
c 270	15.2	76.0	15225	18	US-09-827-688-10	Sequence 10, Appl	c 343	14.8	74.0	282	17	US-10-398-221-144	Sequence 144, App
c 271	15.2	76.0	15225	18	US-10-811-508-1	Sequence 1, Appl	c 344	14.8	74.0	282	17	US-10-398-221-2474	Sequence 2474, App
c 272	15.2	76.0	15225	18	US-10-811-508-13	Sequence 13, Appl	c 345	14.8	74.0	286	17	US-10-242-535A-29997	Sequence 29997, App
c 273	15.2	76.0	16006	18	US-10-722-000-2	Sequence 2, Appl	c 346	14.8	74.0	286	17	US-10-085-783A-29997	Sequence 29997, A
c 274	15.2	76.0	16006	18	US-10-741-601-5731	Sequence 5731, App	c 347	14.8	74.0	326	17	US-10-242-535A-53347	Sequence 53347, A
c 275	15.2	76.0	16006	19	US-10-741-600-17873	Sequence 17873, A	c 348	14.8	74.0	326	17	US-10-085-783A-53347	Sequence 53347, A
c 276	15.2	76.0	21608	19	US-10-741-600-17631	Sequence 17631, A	c 349	14.8	74.0	333	18	US-10-425-115-166322	Sequence 166322, A
c 277	15.2	76.0	22836	17	US-10-085-117-232	Sequence 232, App	c 350	14.8	74.0	348	13	US-10-027-632-80177	Sequence 80177, A
c 278	15.2	76.0	29604	17	US-10-374-077-207	Sequence 207, App	c 351	14.8	74.0	348	17	US-10-027-632-80177	Sequence 80177, A
c 279	15.2	76.0	33403	13	US-10-087-192-1465	Sequence 1465, App	c 352	14.8	74.0	363	18	US-10-674-124A-25833	Sequence 25833, A
280	15.2	76.0	36651	9	US-09-964-469-3	Sequence 3, Appl	c 353	14.8	74.0	372	16	US-10-010-729-50	Sequence 50, Appl
281	15.2	76.0	36651	16	US-10-425-962-3	Sequence 3, Appl	c 354	14.8	74.0	385	17	US-10-242-535A-46091	Sequence 46091, A
282	15.2	76.0	36805	18	US-10-741-601-5648	Sequence 5648, App	c 355	14.8	74.0	385	17	US-10-085-783A-46091	Sequence 46091, A
c 283	15.2	76.0	36805	19	US-10-741-600-17657	Sequence 17657, A	c 356	14.8	74.0	387	17	US-10-369-493-44908	Sequence 44908, A
c 284	15.2	76.0	38605	13	US-10-087-192-304	Sequence 304, App	c 357	14.8	74.0	402	13	US-10-027-632-20440	Sequence 20440, A
c 285	15.2	76.0	49175	18	US-10-367-094-4	Sequence 4, Appl	c 358	14.8	74.0	402	17	US-10-027-632-20440	Sequence 20440, A
c 286	15.2	76.0	50557	18	US-10-322-281-601	Sequence 601, App	c 359	14.8	74.0	407	18	US-10-425-115-107827	Sequence 107827, A
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c 291	15.2	76.0	75729	18	US-10-741-601-5649	Sequence 5649, App	c 364	14.8	74.0	449	9	US-09-864-761-361	Sequence 361, App
c 292	15.2	76.0	75729	19	US-10-741-600-17658	Sequence 17658, A	c 365	14.8	74.0	450	13	US-10-027-632-77012	Sequence 77012, A
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c 295	15.2	76.0	80462	18	US-10-322-281-7	Sequence 7, Appl	c 368	14.8	74.0	456	13	US-10-027-632-313907	Sequence 313907, A
c 296	15.2	76.0	84667	18	US-10-741-601-5634	Sequence 5634, App	c 369	14.8	74.0	456	17	US-10-027-632-313907	Sequence 313907, A
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c 298	15.2	76.0	91749	13	US-10-087-192-550	Sequence 550, App	c 371	14.8	74.0	469	10	US-09-918-995-20023	Sequence 20023, A
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c 301	15.2	76.0	127767	18	US-10-367-094-176	Sequence 176, App	c 374	14.8	74.0	488	9	US-09-864-761-716	Sequence 716, App
c 302	15.2	76.0	144068	19	US-10-461-862-130	Sequence 130, App	c 375	14.8	74.0	493	13	US-10-027-632-115088	Sequence 115088, A
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c 498 14.8 74.0 2752 18 US-10-767-701-15425 Sequence 15425,
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ALIGNMENTS

RESULT 1
US-09-909-317-2
; Sequence 2, Application US/09909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rica M. Cantor (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2

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; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-2

Query Match      100.0%; Score 20; DB 11; Length 20;
Best Local Similarity 100.0%; Pred. No. 6.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 AAATTGGTGAATGACTGCA 20

RESULT 2
US-09-909-317-5/c
; Sequence 5, Application US/09909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2085
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-5

Query Match      100.0%; Score 20; DB 11; Length 2085;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 909 AAATTGGTGAATGACTGCA 890

RESULT 3
US-10-774-355A-643/c
; Sequence 643, Application US/10774355A
; Publication No. US20050043513A1
; GENERAL INFORMATION:
; APPLICANT: Firestein, Stuart
; APPLICANT: Zhang, Ximin
; TITLE OF INVENTION: MOUSE OLFACTORY RECEPTOR GENE SUPERFAMILY
; FILE REFERENCE: A34570-PCT-USA-A 070050.2520
; CURRENT APPLICATION NUMBER: US/10/774,355A
; CURRENT FILING DATE: 2004-02-06
; PRIOR APPLICATION NUMBER: PCT/US02/25556
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 60/311,159
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/339,694
; PRIOR FILING DATE: 2001-12-12
; NUMBER OF SEQ ID NOS: 2596
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 643
; LENGTH: 945
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: MOR204-18
US-10-774-355A-643

Query Match      92.0%; Score 18.4; DB 19; Length 945;

; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-2

Query Match      100.0%; Score 20; DB 11; Length 20;
Best Local Similarity 100.0%; Pred. No. 6.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
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Db 1 AAATTGGTGAATGACTGCA 20

RESULT 4
US-10-322-281-560/c
; Sequence 560, Application US/10322281
; Publication No. US20040126762A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001000
; CURRENT APPLICATION NUMBER: US/10/322,281
; CURRENT FILING DATE: 2002-12-17
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 560
; LENGTH: 68732
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(68732)
; OTHER INFORMATION: n = A,T,C or G
US-10-322-281-560

Query Match      90.0%; Score 18; DB 18; Length 68732;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 13183 ATTGTGGTGAATGACTGCA 13166

RESULT 5
US-10-719-993-16987/c
; Sequence 16987, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16987
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-16987

Query Match      84.0%; Score 16.8; DB 18; Length 201;
Best Local Similarity 90.0%; Pred. No. 3.5e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTGCA 20
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Db 179 AAATTGGTGAATGACTGCA 160

RESULT 6
US-10-719-993-16988/c
; Sequence 16988, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
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; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16988
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-16988

Query Match      84.0%; Score 16.8; DB 18; Length 201;
Best Local Similarity 90.0%; Pred. No. 3.5e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTGCA 20
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Db 149 AAATTGGTGAATGTTGCA 130

RESULT 7
US-09-764-891-9678
; Sequence 9678, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9678
; LENGTH: 256
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-9678

Query Match      84.0%; Score 16.8; DB 10; Length 256;
Best Local Similarity 90.0%; Pred. No. 3.6e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTGCA 20
   |||||||
Db 86 AAATTGGTGAATGACTACA 105

RESULT 8
US-08-781-986A-1722/c
; Sequence 1722, Application US/08781986A
; Publication No. US20030054436A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/329,624
; FILING DATE: 27-Dec-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/956,171
; FILING DATE: October 20, 1997
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 1722:
; SEQUENCE CHARACTERISTICS:
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; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 1722:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-781-986A-1722

Query Match      84.0%; Score 16.8; DB 8; Length 325;
Best Local Similarity 90.0%; Pred. No. 3.7e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTGCA 20
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Db 57 AACGTGGTGAATGACTGCA 38

RESULT 9
US-10-329-624-1722/c
; Sequence 1722, Application US/10329624
; Publication No. US20040043037A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/329,624
; FILING DATE: 27-Dec-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/956,171
; FILING DATE: October 20, 1997
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 1722:
; SEQUENCE CHARACTERISTICS:
```

```
;
; LENGTH: 325 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1722:
US-10-329-624-1722

Query Match      84.0%; Score 16.8; DB 17; Length 325;
Best Local Similarity 90.0%; Pred. No. 3.7e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
Db 57 AACGTGCGTAATGACTGCA 38

RESULT 10
US-10-027-632-218409/c
; Sequence 218409, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 218409
; LENGTH: 663
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-218409

Query Match      84.0%; Score 16.8; DB 13; Length 663;
Best Local Similarity 90.0%; Pred. No. 4.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
Db 193 AAAATGCGTAATGACTGTA 174

RESULT 11
US-10-027-632-218409/c
; Sequence 218409, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
```

```
;
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 218409
; LENGTH: 663
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-218409

Query Match      84.0%; Score 16.8; DB 17; Length 663;
Best Local Similarity 90.0%; Pred. No. 4.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
Db 193 AAAATGCGTAATGACTGTA 174

RESULT 12
US-10-425-114-6765
; Sequence 6765, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 6765
; LENGTH: 1386
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: 700605169_FLI
US-10-425-114-6765

Query Match      84.0%; Score 16.8; DB 17; Length 1386;
Best Local Similarity 90.0%; Pred. No. 4.7e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
Db 1254 AAAATGCGTTATGATTGCA 1273

RESULT 13
US-10-424-599-53048
; Sequence 53048, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
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; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 53048
; LENGTH: 2591
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_18914C.1
US-10-424-599-53048

Query Match      84.0%; Score 16.8; DB 17; Length 2591;
Best Local Similarity 90.0%; Pred. No. 5.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGTTGTAATGACTGCA 20
Db      2288 AAATTGTTGTTATGATGCA 2307

RESULT 14
US-08-781-986A-38
; Sequence 38, Application US/08/781986A
; Publication No. US20030054436A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781.986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23439 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-781-986A-38

Query Match      84.0%; Score 16.8; DB 8; Length 23439;
Best Local Similarity 90.0%; Pred. No. 7.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGTTGTAATGACTGCA 20
Db      22929 AACGTGTTGTAATGACTGCA 22948

RESULT 15
US-10-329-624-38
; Sequence 38, Application US/10329624
; Publication No. US20040043037A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; APPLICANT: Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/329,624
; FILING DATE: 27-Dec-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/956,171
; FILING DATE: October 20, 1997
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23439 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-10-329-624-38

Query Match      84.0%; Score 16.8; DB 17; Length 23439;
Best Local Similarity 90.0%; Pred. No. 7.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGTTGTAATGACTGCA 20
Db      22929 AACGTGTTGTAATGACTGCA 22948

RESULT 16
US-10-210-723-13/c
; Sequence 13, Application US/10210723
; Publication No. US20040023382A1
; GENERAL INFORMATION:
; APPLICANT: Nicholas M. Dean
; APPLICANT: C. Frank Bennett
; APPLICANT: Kenneth W. Dobbie
; TITLE OF INVENTION: ANTISENSE MODULATION OF PPP3CB EXPRESSION
; FILE REFERENCE: PFS-0028
; CURRENT APPLICATION NUMBER: US/10/210,723
; CURRENT FILING DATE: 2002-07-31
; NUMBER OF SEQ ID NOS: 141
; SEQ ID NO 13
; LENGTH: 70000
```

```
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 63612-63711
; OTHER INFORMATION: n = A,T,C or G
US-10-210-723-13

Query Match      84.0%; Score 16.8; DB 17; Length 70000;
Best Local Similarity 90.0%; Pred. No. 8.7e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTGCA 20
Db 39997 AAACGTGGTAATGACTGCA 39978

RESULT 17
US-10-105-948-4
; Sequence 4, Application US/10105948
; Publication No. US20030064383A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS IN CANCER
; FILE REFERENCE: 529452500127
; CURRENT APPLICATION NUMBER: US/10/105,948
; CURRENT FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: US 10/052,482
; PRIOR FILING DATE: 2001-11-08
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 96599
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-105-948-4

Query Match      84.0%; Score 16.8; DB 14; Length 96599;
Best Local Similarity 90.0%; Pred. No. 9.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTGCA 20
Db 70791 AAATTGGTGAATGACTGCA 70810

RESULT 18
US-10-052-482-178
; Sequence 178, Application US/10052482
; Publication No. US20040072264A1
; GENERAL INFORMATION:
; APPLICANT: Engelhard, Eric
; APPLICANT: Morris, David
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71087/RMS/DCF
; CURRENT APPLICATION NUMBER: US/10/052,482
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 241
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 178
; LENGTH: 96599
; TYPE: DNA
; ORGANISM: Homo sapiens
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```
US-10-052-482-178

Query Match      84.0%; Score 16.8; DB 17; Length 96599;
Best Local Similarity 90.0%; Pred. No. 9.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTGCA 20
Db 70791 AAATTGGTGAATGACTGCA 70810

RESULT 19
US-10-322-696-34/c
; Sequence 34, Application US/10322696
; Publication No. US20040166490A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Malandro, Marc
; TITLE OF INVENTION: NOVEL THERAPEUTIC TARGETS IN CANCER
; FILE REFERENCE: 529452001200
; CURRENT APPLICATION NUMBER: US/10/322,696
; CURRENT FILING DATE: 2003-10-17
; NUMBER OF SEQ ID NOS: 186
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 34
; LENGTH: 357652
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(357652)
; OTHER INFORMATION: n = A,T,C or G
US-10-322-696-34

Query Match      84.0%; Score 16.8; DB 18; Length 357652;
Best Local Similarity 90.0%; Pred. No. 1.1e+03;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTGCA 20
Db 121917 AAATTGGTGAATGACTGCA 121898

RESULT 20
US-10-719-993-6805/c
; Sequence 6805, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6805
; LENGTH: 366803
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(366803)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-2)
US-10-719-993-6805

Query Match      84.0%; Score 16.8; DB 18; Length 366803;
Best Local Similarity 90.0%; Pred. No. 1.1e+03;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGACTGCA 20
Db 30295 AAATTGGTGAATGACTGCA 30276
```

```
RESULT 21
US-10-412-277-3/c
; Sequence 3, Application US/10412277
; Publication No. US20030175791A1
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEROEF
; FILE REFERENCE: CL001067DIV
; CURRENT APPLICATION NUMBER: US/10/412,277
; CURRENT FILING DATE: 2003-04-14
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 786431
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(786431)
; OTHER INFORMATION: n = A,T,C or G
US-10-412-277-3

Query Match      84.0%; Score 16.8; DB 16; Length 786431;
Best Local Similarity 90.0%; Pred. No. 1.2e+03;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTGCA 20
Db 282900 AAATTGCGTAATGACTGCA 282881

RESULT 22
US-09-604-287A-50/c
; Sequence 50, Application US/09604287A
; Patent No. US20020084872A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C7
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 489
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-604-287A-50

Query Match      82.0%; Score 16.4; DB 9; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 232 AAATTGCGTAAGACTG 215

RESULT 23
US-09-834-759-50/c
; Sequence 50, Application US/09834759
; Publication No. US20020085998A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C5
```

```
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C9
; CURRENT APPLICATION NUMBER: US/09/834,759
; CURRENT FILING DATE: 2001-04-13
; NUMBER OF SEQ ID NOS: 547
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-834-759-50

Query Match      82.0%; Score 16.4; DB 9; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 232 AAATTGCGTAAGACTG 215

RESULT 24
US-09-339-338-50/c
; Sequence 50, Application US/09339338A
; Patent No. US20020102602A1
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339,338A
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-339-338-50

Query Match      82.0%; Score 16.4; DB 9; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 232 AAATTGCGTAAGACTG 215

RESULT 25
US-09-551-621-50/c
; Sequence 50, Application US/09551621
; Publication No. US20030104366A1
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C5
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; CURRENT APPLICATION NUMBER: US/09/551,621
; CURRENT FILING DATE: 2000-04-17
; NUMBER OF SEQ ID NOS: 479
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-551-621-50

Query Match      82.0%; Score 16.4; DB 10; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
   |||||
Db 232 AAATTGGTGAAGACTG 215

RESULT 26
US-10-007-805-50/c
; Sequence 50, Application US/10007805
; Publication No. US20020150581A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Durham, Margarita
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.470C10
; CURRENT APPLICATION NUMBER: US/10/007,805
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 593
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-007-805-50

Query Match      82.0%; Score 16.4; DB 13; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
   |||||
Db 232 AAATTGGTGAAGACTG 215

RESULT 27
US-10-076-622-50/c
; Sequence 50, Application US/10076622
; Publication No. US20030023036A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.470C11
; CURRENT APPLICATION NUMBER: US/10/076,622
; CURRENT FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 627
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 50

; CURRENT APPLICATION NUMBER: US/09/551,621
; CURRENT FILING DATE: 2000-04-17
; NUMBER OF SEQ ID NOS: 479
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-076-622-50

Query Match      82.0%; Score 16.4; DB 14; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
   |||||
Db 232 AAATTGGTGAAGACTG 215

RESULT 28
US-10-124-805-50/c
; Sequence 50, Application US/10124805
; Publication No. US20030166022A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.470C12
; CURRENT APPLICATION NUMBER: US/10/124,805
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 627
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-124-805-50

Query Match      82.0%; Score 16.4; DB 16; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
   |||||
Db 232 AAATTGGTGAAGACTG 215

RESULT 29
US-10-441-893-50/c
; Sequence 50, Application US/10441893
; Publication No. US20030229020A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470D1
; CURRENT APPLICATION NUMBER: US/10/441,893
; CURRENT FILING DATE: 2003-05-16
; NUMBER OF SEQ ID NOS: 181
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-441-893-50

Query Match      82.0%; Score 16.4; DB 17; Length 271;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
   |||||
Db 232 AAATTGGTGAAGACTG 215
```

```
RESULT 30
US-09-880-107-635/c
; Sequence 635, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 635
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 AA279943
US-09-880-107-635

Query Match      82.0%; Score 16.4; DB 9; Length 453;
Best Local Similarity 94.4%; Pred. No. 6.2e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
   |||||
Db 144 AAATTGGTGAAGACTG 127

RESULT 31
US-09-967-768A-53/c
; Sequence 53, Application US/09967768A
; Patent No. US20020150877A1
; GENERAL INFORMATION:
; APPLICANT: Augustus, Meena
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-72
; CURRENT APPLICATION NUMBER: US/09/967,768A
; CURRENT FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/60/236,109
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,034
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,111
; PRIOR FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 325
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 53
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION:
US-09-967-768A-53

Query Match      82.0%; Score 16.4; DB 9; Length 453;
Best Local Similarity 94.4%; Pred. No. 6.2e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
   |||||
Db 144 AAATTGGTGAAGACTG 127

RESULT 32
US-09-967-768A-53/c
; Sequence 53, Application US/09967768A
; Patent No. US20020150877A1
; GENERAL INFORMATION:
; APPLICANT: Augustus, Meena
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-72
; CURRENT APPLICATION NUMBER: US/09/967,768A
; CURRENT FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/60/236,109
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,034
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,111
; PRIOR FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 325
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 53
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION:
US-09-967-768A-53

Query Match      82.0%; Score 16.4; DB 9; Length 453;
Best Local Similarity 94.4%; Pred. No. 6.2e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
   |||||
Db 144 AAATTGGTGAAGACTG 127

RESULT 33
US-10-843-641A-1567/c
; Sequence 1567, Application US/10843641A
; Publication No. US20050064454A1
; GENERAL INFORMATION:
; APPLICANT: Avalon Pharmaceuticals, Inc.
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; TITLE OF INVENTION: Signature Gene Sets
; FILE REFERENCE: 689290-189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,436
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,832
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/964,824
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1567
; LENGTH: 453
```

```
US-09-954-531-500/c
; Sequence 500, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
; APPLICANT: Weaver, Zoe
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
; TITLE OF INVENTION: Gene Sets
; FILE REFERENCE: 689290-77
; CURRENT APPLICATION NUMBER: US/09/954,531
; CURRENT FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: US/60/233,133
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,009
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,034
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,509
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US/60/234,567
; PRIOR FILING DATE: 2000-09-22
; NUMBER OF SEQ ID NOS: 1392
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 500
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION:
US-09-954-531-500

Query Match      82.0%; Score 16.4; DB 9; Length 453;
Best Local Similarity 94.4%; Pred. No. 6.2e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGGTGAATGACTG 18
   |||||
Db 144 AAATTGGTGAAGACTG 127

RESULT 33
US-10-843-641A-1567/c
; Sequence 1567, Application US/10843641A
; Publication No. US20050064454A1
; GENERAL INFORMATION:
; APPLICANT: Avalon Pharmaceuticals, Inc.
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; TITLE OF INVENTION: Signature Gene Sets
; FILE REFERENCE: 689290-189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,436
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,832
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/964,824
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1567
; LENGTH: 453
```

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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-1567

Query Match      82.0%; Score 16.4; DB 19; Length 453;
Best Local Similarity 94.4%; Pred. No. 6.2e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGTCGTAATGACTG 18
   |||||
DB 144 AAATTGTCGTAAGACTG 127

RESULT 34
US-10-843-641A-6198/c
; Sequence 6198, Application US/10843641A
; Publication No. US20050064454A1
; GENERAL INFORMATION:
; APPLICANT: Avalon Pharmaceuticals, Inc.
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; TITLE OF INVENTION: Signature Gene Sets
; FILE REFERENCE: 689290-189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,436
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,832
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/964,824
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6198
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-6198

Query Match      82.0%; Score 16.4; DB 19; Length 453;
Best Local Similarity 94.4%; Pred. No. 6.2e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGTCGTAATGACTG 18
   |||||
DB 144 AAATTGTCGTAAGACTG 127

RESULT 35
US-10-637-855-119/c
; Sequence 119, Application US/10637855
; Publication No. US20040110194A1
; GENERAL INFORMATION:
; APPLICANT: Sornasse, Thierry
; APPLICANT: Cocks, Ben
; APPLICANT: Sanjawala, Bharati
; TITLE OF INVENTION: GENES REGULATED BY HUMAN CYTOKINES
; FILE REFERENCE: PA-0020 US
; CURRENT APPLICATION NUMBER: US/10/637,855

; CURRENT FILING DATE: 2003-08-07
; NUMBER OF SEQ ID NOS: 516
; SOFTWARE: PERL Program
; SEQ ID NO 119
; LENGTH: 552
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 2790863T6
US-10-637-855-119

Query Match      82.0%; Score 16.4; DB 18; Length 552;
Best Local Similarity 94.4%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGTCGTAATGACTG 18
   |||||
DB 395 AAATTGTCGTAAGACTG 378

RESULT 36
US-09-998-598-1186
; Sequence 1186, Application US/09998598
; Patent No. US20020150922A1
; GENERAL INFORMATION:
; APPLICANT: Stolk, John A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Chenault, Ruth A.
; APPLICANT: Meagher, Madelein Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.561
; CURRENT APPLICATION NUMBER: US/09/998,598
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 2606
; SOFTWARE: Corixa Invention Disclosure Database
; SEQ ID NO 1186
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 559
; OTHER INFORMATION: n = A,T,C or G
US-09-998-598-1186

Query Match      82.0%; Score 16.4; DB 9; Length 580;
Best Local Similarity 94.4%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGTCGTAATGACTG 18
   |||||
DB 201 AAATTGTCGTAAGACTG 218

RESULT 37
US-09-736-457-1279
; Sequence 1279, Application US/09736457
; Patent No. US20020168637A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
```

; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2006-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-736-457-1279

Query Match 82.0%; Score 16.4; DB 9; Length 580;
Best Local Similarity 94.4%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGGTAAAGACTG 18
|||||
Db 201 AAATTGGTAAAGACTG 218

RESULT 38

US-09-902-941-1279
; Sequence 1279, Application US/09902941
; Patent No. US20020172952A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Marnerakis, Margarita
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andria
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.478C17
; CURRENT APPLICATION NUMBER: US/09/902,941
; CURRENT FILING DATE: 2001-07-10
; NUMBER OF SEQ ID NOS: 2002
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-902-941-1279

Query Match 82.0%; Score 16.4; DB 9; Length 580;
Best Local Similarity 94.4%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGGTAAAGACTG 18
|||||
Db 201 AAATTGGTAAAGACTG 218

RESULT 39

US-09-849-626-1279
; Sequence 1279, Application US/09849626
; Publication No. US20020197669A1
; GENERAL INFORMATION:
; APPLICANT: Bangur, Chaitanya
; APPLICANT: Fanger, Gary
; APPLICANT: Wang, Aijun
; APPLICANT: Wang, Tongtong
; APPLICANT: Switzer, Anne
; APPLICANT: McNeill, Patricia
; APPLICANT: Clapper, Jonathan
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C16

; CURRENT APPLICATION NUMBER: US/09/849,626
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 1926
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-849-626-1279

Query Match 82.0%; Score 16.4; DB 9; Length 580;
Best Local Similarity 94.4%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGGTAAAGACTG 18
|||||
Db 201 AAATTGGTAAAGACTG 218

RESULT 40

US-10-017-754-1279
; Sequence 1279, Application US/10017754
; Publication No. US20030054363A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Marnerakis, Margarita
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andria
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C18
; CURRENT APPLICATION NUMBER: US/10/017,754
; CURRENT FILING DATE: 2001-10-29
; NUMBER OF SEQ ID NOS: 2004
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-017-754-1279

Query Match 82.0%; Score 16.4; DB 14; Length 580;
Best Local Similarity 94.4%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGGTAAAGACTG 18
|||||
Db 201 AAATTGGTAAAGACTG 218

RESULT 41

US-10-113-872-1279
; Sequence 1279, Application US/10113872
; Publication No. US20030170255A1
; GENERAL INFORMATION:
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C19
; CURRENT APPLICATION NUMBER: US/10/113,872

```

; CURRENT FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 2011
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-113-872-1279

```

```
Query Match      82.0%; Score 16.4; DB 16; Length 580;
Best Local Similarity 94.4%; Pred. NO. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0
```

Qy
D_b

1 AAATTGTCGTAAATGACTG 18
|||||
201 AAATTGTCGTAAAGACTG 218

```

RESULT 42
US-10-283-017-1279
; Sequence 1279, Application US/10283017
; Publication No. US20030211510A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Kalos, Michael D.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Durham, Margarita
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Bangur, Chaityanya S.
; APPLICANT: McNabb, Andrea
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; OF METASTASIZING EPITHELIAL TUMORS OF THE LUNG
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; OF METASTASIZING EPITHELIAL TUMORS OF THE LUNG
; FILE REFERENCE: 210121.478C20
; CURRENT APPLICATION NUMBER: US/10/283,017
; CURRENT FILING DATE: 2002-10-28
; NUMBER OF SEQ ID NOS: 2157
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1279
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-283-017-1279

```

Query Match 82.0%; Score 16.4; DB 17; Length 580;
Best Local Similarity 94.4%; Pred. NO. 6.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAATTGTGTAATGACTG 18
|||
Db 201 AAATTGTGTAAGACTG 218
|||

RESULT 43
US-10-174-695-2
; Sequence 2, Application US/10174695
; Publication No. US20030232022A1
; GENERAL INFORMATION:
; APPLICANT: Reynolds, Eric Charles
; APPLICANT: Slakeski, Nada
; APPLICANT: Chen, Chao Guang
; APPLICANT: Barr, Ian George
; TITLE OF INVENTION: P. GINGIVALIS ANTIGENIC COMPOSITION
; FILE REFERENCE: 529282000700
; CURRENT APPLICATION NUMBER: US/10/174,695
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: PCT/AU00/01588
; PRIOR FILING DATE: 2000-12-21

```

; PRIOR APPLICATION NUMBER: AU PQ 4859
; PRIOR FILING DATE: 1999-12-24
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; SEQ ID NO 2
; LENGTH: 588
; TYPE: DNA
; ORGANISM: Porphyromonas gingivalis
US-10-174-695-2

```

Query Match	82.0%	Score 16.4;	DB 17;	Length 588;
Best Local Similarity	94.4%;	Pred. No. 6.4e+02;		
Matches 17;	Conservative	0;	Mismatches 1;	Indels 0;
				Gaps 0;

Qy 3 ATGTGGTAATGACTGCA 20
|||
Db 565 ATGTAGTAATGACTGCA 582

```

RESULT 44
US-10-027-632-237280/c
; Sequence 237280, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 237280
; LENGTH: 605
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(605)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-237280

```

Query Match	82.0%	Score 16.4;	DB 13;	Length 605;
Best Local Similarity	94.4%;	Pred. No. 6.5e+02;		
Matches 17;	Conservative	0;	Mismatches 1;	Indels 0;
				Gaps 0

Qy 3 ATTGTGGTAATGACTGCA 20
Db 379 ACTGTGGTAATGACTGCA 362

```

: RESULT 45
: US-10-027-632-237280/c
: Sequence 237280, Application US/10027632
: Publication No. US20030204075A9
: GENERAL INFORMATION:
: APPLICANT: Wang, David G.
: TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
: TITLE OF INVENTION: Polymorphisms in the Human Genome

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; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 237280
; LENGTH: 605
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(605)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-237280

Query Match      82.0%; Score 16.4; DB 17; Length 605;
Best Local Similarity 94.4%; Pred. No. 6.5e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      3 ATTGTGGTAATGACTGCA 20
Db      379 ACTGTGGTAATGACTGCA 362

RESULT 46
US-10-194-163-741/c
; Sequence 741, Application US/10194163
; Publication No. US20020172976A1
; GENERAL INFORMATION:
; APPLICANT: Ross, Bruce Carter
; TITLE OF INVENTION: PORPHYROMONAS GINGIVALIS POLYNUCLEOTIDES
; NUMBER OF SEQUENCES: 1120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FORSTER
; STREET: 755 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/194,163
; FILING DATE: 04-Nov-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Basu, Shantanu
; REGISTRATION NUMBER: 43,318
; REFERENCE/DOCKET NUMBER: 529282000101
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5995
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 741
; SEQUENCE CHARACTERISTICS:
```

```
; LENGTH: 639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: UNKNOWN
; ORIGINAL SOURCE:
; ORGANISM: PORPHYROMONAS GINGIVALIS
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1...639
; SEQUENCE DESCRIPTION: SEQ ID NO: 741
US-10-194-163-741

Query Match      82.0%; Score 16.4; DB 13; Length 639;
Best Local Similarity 94.4%; Pred. No. 6.5e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      3 ATTGTGGTAATGACTGCA 20
Db      561 ATTGTAGTAATGACTGCA 544

RESULT 47
US-09-777-564-1100/c
; Sequence 1100, Application US/09777564
; Patent No. US20020022591A1
; GENERAL INFORMATION:
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.493
; CURRENT APPLICATION NUMBER: US/09/777,564
; CURRENT FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 1730
; SOFTWARE: FastSeq for Window Version 4.0
; SEQ ID NO 1100
; LENGTH: 697
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(697)
; OTHER INFORMATION: n = A,T,C or G
US-09-777-564-1100

Query Match      82.0%; Score 16.4; DB 9; Length 697;
Best Local Similarity 94.4%; Pred. No. 6.6e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 AAATTGTGGTAATGACTG 18
Db      380 AAATTGTGGTAAGACTG 363

RESULT 48
US-10-015-219-1100/c
; Sequence 1100, Application US/10015219
; Publication No. US20030008299A1
; GENERAL INFORMATION:
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.493C1
; CURRENT APPLICATION NUMBER: US/10/015,219
; CURRENT FILING DATE: 2002-03-02
; NUMBER OF SEQ ID NOS: 1739
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1100
; LENGTH: 697
; TYPE: DNA
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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 542, 568, 574, 595, 620, 636, 652, 676
; OTHER INFORMATION: n = A,T,C or G
US-10-015-219-1100

Query Match      82.0%; Score 16.4; DB 14; Length 697;
Best Local Similarity 94.4%; Pred. No. 6.6e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 380 AAATTGCGTAAGACTG 363

RESULT 49
US-10-212-677-230
; Sequence 230, Application US/10212677
; Publication No. US20030129192A1
; GENERAL INFORMATION:
; APPLICANT: Chenault, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Fanger, Gary R.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.484C7
; CURRENT APPLICATION NUMBER: US/10/212,677
; CURRENT FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 288
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 230
; LENGTH: 744
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 603,618,636,723,724
; OTHER INFORMATION: n = A,T,C or G
US-10-212-677-230

Query Match      82.0%; Score 16.4; DB 15; Length 744;
Best Local Similarity 94.4%; Pred. No. 6.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 493 AAATTGCGTAAGACTG 510

RESULT 50
US-10-361-811-230
; Sequence 230, Application US/10361811
; Publication No. US20030206918A1
; GENERAL INFORMATION:
; APPLICANT: Fanger, Gary R.
; APPLICANT: Fling, Steven P.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.484C8
; CURRENT APPLICATION NUMBER: US/10/361,811
; CURRENT FILING DATE: 2003-02-05
; NUMBER OF SEQ ID NOS: 293
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 230
; LENGTH: 744
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 603,618,636,723,724
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; OTHER INFORMATION: n = A,T,C or G
US-10-361-811-230

Query Match      82.0%; Score 16.4; DB 17; Length 744;
Best Local Similarity 94.4%; Pred. No. 6.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAATTGCGTAATGACTG 18
Db 493 AAATTGCGTAAGACTG 510

Search completed: June 2, 2005, 11:57:52
Job time : 214.586 secs
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[illegible]

Db 9140 ACTTACTATTTCTGTTACTTCTGTTCTCTTTTCCCTTTTCTCAATACTCAATAACCT 9081
Qy 533 -----CTTTTATGAGTTTATTCACTGCTTATTCTTCTTATCTCTCTATA 578
Db 9080 GTTACGTAATTTCTTAATCAATCTAACTAGTGTGTTCTGTTTCTTGCTCAGAT 9021
Qy 579 CCAGAAATGAATATTTTCAAAAT-----AAAGCACACTCATGTGTAACAATCT 623
Db 9020 CCTGACTTAACGGTTTCTAAATGTAATCTCCACTTGGGAGAAAAATACAATCAAGTTCT 8961
Qy 624 TGAATCGAAAAAATAATGATAGGATTAAGAAAGAAACCAATTTTAAATAACTATAT 683
Db 8960 TAAGGAATGGCTGATATATGTGTTGGGACAAAAATATATACAAAGCCTGAGACATCTTGT 8901
Qy 684 TTT-----GAAGTATATGTTCTATATTAATAACAACAA--GATCTAGGCCAGGTGCACTGCTCA 738
Db 8900 TGTACCAGAAATCAAGGAAGCTATCAAAATCAATGGGTGATGCCAGGCAGGTAGCTCA 8841
Qy 739 TGCCTGTAATCCAGCAATTTGGGAAGTCGAGGTGGGAGGATGCTTGAGGCCAGGGGTT 798
Db 8840 CGCCTGTAATCCAGCACTTAGGAGGCAGAGGCGGGAGGATAGCTTGAGGCCAGGAGTT 8781
Qy 799 CAAGACAGCTGGGCAACATGAGAGATTTCCCAATCTCTTCTTTTACACACACACAC 858
Db 8780 TGAGACCTCCCTGGGGAATACAGTGAG-----AACCTGTTCTCCACAAAAAGAAAAAG 8728
Qy 859 ACACACACAAAAATCTGATAGCAACAGGTGCGATCATTACCACAAATTTTCGAGTAGTG 918
Db 8727 AAAAAAATAATCAATAGATTTATGTCCAAAGGAATCAGAAAGCAAGAAAGGACTCCCA 8668
Qy 919 ATGAGCTTAATAATAATTTTCGAGTTATCACCAACAACTGTAACTAACTAAGAAAGCTG 978
Db 8667 TTGA-----CATATATGTTATCATTTAAGCATCAAAAGATGACTGTATCTGTGCTA 8612
Qy 979 TGATGACTATTGCCACA--AAGTCAAGGACTGCTAATACTCTGTTGTTTGTAGTAAA 1037
Db 8611 AGTTTCCAGTACAGATGCAAGGAAAAAAGTCTCTTATGCTTCCGCTGTGCTGATGTT 8552
Qy 1038 TTCATAATAAGGAATGCTAGTTTTCAGTTGGTATTTTGTCCCAAGCGTCTGTGGACGG 1097
Db 8551 GGCAGCTGAGATTAATAAGAAATACAG-----GG 8521
Qy 1098 CAGGTTAGAACCCCGTCCAGCCAGGAGGGTGGACCTAGCACTCAGGGTCCACCTCGG 1157
Db 8520 AACTGGAAATACCTTGAAACAGTGAAGAGCCTGTTTACTCAGAGAAATCTAATTTT 8461
Qy 1158 GCCAATCAACTATATTTCCGAGCGGGGCTTGCGCTTCCCGACCCAGCTGCCCTCAGG 1217
Db 8460 GAGTCGGCAGGAGAAGTTCTGGGAAATAGCCCTTACCACCTTTACTGTTGATTACACT 8401
Qy 1218 GGAGAGAGACACACTTAAGAGTTTGGGCGCGGCTGTAGTCTATGCCCTGTATCCAG 1277
Db 8400 TGCAAAAGCTTAAAGGT-----GGCCAGGCACAGTGGCTCATGCTGTAATCCCGAG 8350
Qy 1278 CACTTCGGAGGCTCAGGCGTCAAGATCACTTTGTAGCAGGAGTTTGGAGACCACTAGCC 1337
Db 8349 AACTGTGGAGGCTCAGGAGGTGGATCACAAG--GTCAGGAGATCGAGACCATCTCGCT 8291
Qy 1338 AACTTTGGGAGACCTGTCCCTTAAAAAATTTTTTTTAAATTAGCCAG-----TTGTGT 1393
Db 8290 AACATGGTGAACCCCTCTCTACTAAAAATAACAAAAAATAAGCCAGGCGCTCTGCG 8231
Qy 1394 GAGCGCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGAGGATCGC--TGGGCTCAGGA 1452
Db 8230 GGACCGCTGTGTCCCGAGCTACTCAGGAGGCTGAAGTGGGAGATGGCATGAACCCGGGA 8171
Qy 1453 GTTCCAGACTGCAGTGAGCCATGATGGGGCACTGCACCTCCAGCGGG 1500
Db 8170 GCGGAGCTTGCAGTGAGCCGAGATTTTCGCCACTGCACCTCCAGCCTGG 8123

US-09-949-016-15714
; Sequence 15714, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15714
; LENGTH: 38343
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(38343)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15714

Query Match 10.7%; Score 223.8; DB 4; Length 38343;
Best Local Similarity 49.5%; Pred. No. 4.6e-43;
Matches 361; Conservative 0; Mismatches 357; Indels 12; Gaps 4;

Qy 117 TTCAAAATATCTTTTTTTTTTTTTTTTTTTTTCAGACAGGTCACACTGTCCACCAGGCTAGACT 176
Db 15541 TTGTAACCTTTTTTTTTTTTTTTTTTTTGTGAGACAGTCTACCTTTGTGCGCCATGCTGGAGT 15600
Qy 177 CCAGTGGCACTATCATGTGCTCACCACAGCTCAACCTTTCCAGGGCTCAGGTGATCTCTCCA 236
Db 15601 GCAGTGGCACAATCTCAGCTCACTGCAACCTCTGCTCCCGGTTCAAGCAATTTCTCTG 15660
Qy 237 CTTAGCCTCCCGAGTAGATGGAGCTACAGGCACTGCGCACACCCGCCAGCTAAATTTTG 296
Db 15661 CTTAGCCTCTCGGTAGCTAGACTACAAGCACCCACCAAGCCTAGCTAAATTTTG 15720
Qy 297 TA-----GAGACAAGTTTTCATGTTGTCAGGCTGCTTTGAACCTCTCGGCTC 348
Db 15721 TATTTTATAGTAACAGGGTTTTCACATGTTGGCCAGGCTGCGTTGAACCTCTGACCTC 15780
Qy 349 AAGGATCCGGCCACTCAGGCTCCCAAAGTGTCTAGGATTTAGGCATGAGCCACTGTGC 408
Db 15781 A--TGATCCACCGCTCAGCTCCCAAAGTGTCTAGGATTTAGGTTGAGCCACACAC 15838
Qy 409 CCAG--CTTACCTTCAACGTATCTAACTGGTTACTAACTTTTAGGATTTGGCCTATGTCTC 467
Db 15839 CCGGCCCTAGTTGTAACCTTTTTTTTTTTTTTTTTTTTGTGAGACGGAGTCTTGTCTGTGCG 15898
Qy 468 ACAACCTTCTTGCTTA--CTCAACATCTTGTCTTAAGCCACTAGCTTCTCTCTATGG 526
Db 15898 CAGGCTGGCGCATCTCAGCTCACTGCAAGCTCCGCTCCNNNNNNNNNNNNNNNNNNNN 15958
Qy 527 TTAACACTTTTTATGAGTTTATTATCATGCTTATTTTTTCTTATCTCTATACCAAGATT 586
Db 15959 NNN 16018
Qy 587 GAATATTTTCAATAAAGCACTCATGTTACAATCTTTGAAATGGAAAAAATAATGCA 646
Db 16019 NNN 16078
Qy 647 TAGGATTAGAAAGAAACCAATTTTAAATAACTATATTTTGAAGTATAGTCTATATAA 706
Db 16079 NNN 16138
Qy 707 ACAACAAGATCTAGGCCAGGTGAGTGGCTCATGCTGTAAATCCAGCAATTTGGGAAGT 766

RESULT 9

US-09-949-016-15919
; Sequence 15919, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15919
; LENGTH: 40655
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15919

Query Match 10.7%; Score 222.4; DB 4; Length 40655;
Best Local Similarity 52.8%; Pred. No. 1e-42;
Matches 815; Conservative 0; Mismatches 641; Indels 88; Gaps 12;

QY 90 TCATATTTTCACCTTAATCTGTTACCTTCAAAATATCTTTTTTTTTTTTTTTTGGAGACA 149
DB 16023 TCAGTGTGACGCTCTTTTTTCAGATATCTTTTGAACATCTCTTTTTTTTTTTGGAGACGA 16082

QY 150 GGGTCACACTGTCACCCAGGCTAGAGTCAGTGGCACTATCATGCTCACCACAGCCCTCA 209
DB 16083 GCTTACTCTGTCACCCAGGCTGGAGTCAGTGGCTCAATCTCGGTCACTGCAAGCCCTCC 16142

QY 210 ACCTTCAGGGCTCAGGTGATCTCCCACTTCAGCCTCCGAGTAGATGGGACTACAGGCA 269
DB 16143 ACTTCCAGGCTCAAGCAATCTCTGCTCAGCCTCCGAGTAGCTGGATTACAGTTG 16202

QY 270 CTGCGCACACCCAGCAATTTTTT-----GTAGAGACAAG 306
DB 16203 CCCACCATATGCTGCTGCTAATTTTTTTTTTTTTTTTGTATTTTAGTAGAGTCGG 16262

QY 307 GTTTGGCATGTCGTCAGGCTGCTTGAATCTCTGGGCTCAAGGGATCCGGCACCTC 366
DB 16263 TTTTCACCATGTGCTCAGCTGCTGCTGAACTCTGACCTCAGGTAATCACCCTACCTT 16322

QY 367 AGCTTCCCAAAGTGTAGGATTATAGGCATGAGCCACTGTGCCAGCCTACCTTCAAGCT 426
DB 16323 GGCCTCCCAAAGTGTGGATTACAGGCATGAGCCACCTGTCGGCTTA-----GNAAT 16378

QY 427 ATCTAACTGGTTACTAATTTTTAGGATTCGGCTATGCTCACAACCTTCTTGCTTACTC 486
DB 16379 TTTTATTATCAAAACAATATTATTTACGAAA-----CACACTTTTGGAAAAAAG 16432

QY 487 AACATCTTGCTCTTAAGCCACTAGCTTCTCTATGTTTACACTTTTTATGAGTTT 546
DB 16433 AGAATCCAGCATCTTAATCAGTCACTTATGATCTCTGTTATTTCTTGGTCTTCCCTC 16492

QY 547 TATTCATCTGCTTATTTTCTTATCTCTATACAGAAATTTGAATTTTCAAAATAAGCA 606
DB 16493 TGAGCATGTGACTTTTACTTAACCTT-----TGAAGTAAATTTACAGTTACAGCA 16541

QY 607 CACTCATGTTACAATCTTTGAAATGGAAAAAATATCATAGGATTAGAAAAAGAACCA 666
DB 16542 TATATACAGTCTAGCTTCTGCTTTTAACTTAAATAGCATAGAT----- 16586

QY 667 ATTTTAATAACTATATTTTGAAGTATAGTTCTATATTAACAACAAGATCTAGCCAGG 726
DB 16587 ATTTTCTCTGTCACCTCCAGGTGTTCTGGTCACTCAATTTAAACAATTTATCTAGCCAG 16646

QY 727 TGCAGTGGCTCATGCTGTAAATCCAGCAATTTGGAAAGTCGAGTGGAGGATGCTTGT 786
DB 16647 TACAGTGGCTCACACCTGTAAATCCCAACACTTTGGAGGCGGAGCAGCAGTCACTTG 16706

QY 787 AGGCCAGGGTTCAGACAGCCTGGGCAACATGGAGAGATTCCTCATCTCTTTCTTTAC 846
DB 16707 AGGTGAGGATTCGAGACAGCCTGCCCAACATGGCGAAACCTATCTCTAC-----TAA 16761

QY 847 ACACACACACACACACACACAAATATCTGTATAGCAACAGGTGCACTTATACCACAA 906
DB 16762 AAATACAAAAATTTAGCTAGGCATGGTGGCCCTGTATCCAGCTACTTGGGAGG 16821

QY 907 TTTGAGTGTGATGAGCTTAATATTTTCG-----AGTTATCACAACAACCTGTAAC 962
DB 16822 CTGAGGCGAGGAGAAATCGCTTGAACCCAGGAGGAGAGTTACAGTGAGCAAGATCACAC 16881

QY 963 AACATGAAAGCTGTGTGATGACTATTG-----CCACAAAGTCAAGGTACTGCTTA 1015
DB 16882 CACTGTACTCCAGCCTGGGTGACAGCAAAACCTCCATTTCAAACAATACAAACAAC 16941

QY 1016 TACTCCTGCTATTTGTAGTAAATTCATAATAAGGAAATGCTAGGTTTCAGTTGCTATT 1075
DB 16942 AACATAAAAAATCTAATATTTCTTGAATTAAGATATTATGTTGTTGTTGTTTC 17001

QY 1076 TGTCGCCAGCGTCTGTGGACGGCAGGTTAGAACGCCCTCCAAAGCCAGAGGCTGGA 1135
DB 17002 TGTTCAATAATGAAAAAATTTATGTTGATCTCAAGTTCACAAATTTGAGGTATTTAG 17061

QY 1136 AGCACTGCGAGGCTCCACCTCGGGCCAACTCACTATATTTCCGAGGCGGGGCTGGCT 1195
DB 17062 TTTTATTTTACATGATGATCTAATATTTTACAATAATTTTGAATATTTGAAACATTTTAA 17121

QY 1196 CCCGACCCAGCTGCGCT--CAGGGGAGAGAGGACACACTTAAAGAGTTTGGGGCCGGCT 1253
DB 17122 GCAAGTATTATAATTTTCAGTTTAAATTTAAGTTTAAAGAGCTCAGGCTAGGCG 17181

QY 1254 GGTAGCTATCCCTGATCCAGCACTTCGGAGGCTGAGGCGTGAAGATCACTTTGTAG 1313
DB 17182 AGTGGCTCATGCTGTAATCCATCACTTTGGAGGTCAAGGAGGAGTACTGCTGGAGC 17241

QY 1314 -CAGAGTTTGAAGACCACTTAGCCAACTTGGCGAGACCTGTCCCTAAAAAATTTTT 1372
DB 17242 CCAGGAGTTCAAGACCAAGCCTTAGCCAAATAAAGGACCTGTCTACTACAAAAATCA 17301

QY 1373 TTTTAAATTTAGCCAGTGTGGTGAGCGCTGTAGTCCAGCTACTCGGGAGGCTGAGGTG 1432
DB 17302 AAATAGCTGACGCTGTGGTATGCTGCTGTAGTCCAGGTCCTCAAGAGGCTGAGGCG 17361

QY 1433 GAGGATCGC-TGGGCTCAGGAGTTCCAGACTGCGAGTGCATGATGCGGCACTGCACT 1491
DB 17362 GAGGATGCTTGGAGCCAGGAGATTGAGACTGCACTAGCCAAAGGTTGCACCATTTGCA 17421

QY 1492 CCAGGCG-----GTGAGACTCAGTCTCAAAATAAAGGGGAGGGGTTGGGGT 1542
DB 17422 TCAGCTGGGTGACAGAGTGAGACCCCTCTCTAAAAAATGATAATAGTAAAAAAGCA 17481

QY 1543 AAAATTTAGTTGTAATAAAGTAAAGTCTCTCGGAGCAAGAACAA 1586
DB 17482 AAAAATAAATAAATAAATTTAAAGCTTCCAGCAAGGAGAA 17525

RESULT 10

US-09-949-016-14577
; Sequence 14577, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755

Query Match		10.5%;	Score 219.8;	DB 4;	Length 678533;
Best Local Similarity		50.9%;	Pred. No. 1.5e-41;		
Matches 716;		Conservative 0;	Mismatches 662;	Indels 29;	Gaps 7;
QY	116	CTTCAAAATATCTTTT	TTT	TTT	TTT
DB	405139	CTTCAATATCTTTT	TTT	TTT	TTT
QY	176	TCCAGTGGCACTATCATGGCTCACCACAGCCCTCAACCTTTCAGGGCTCAGGTGATCCTCCC	235		
DB	405199	TGGAGTGGTGTGATCTCCACTCAGTAACTCCGCTCCAGGTTCAAGCGATTCTCT	405258		
QY	236	ACTTCAGCTCCCGAGTAGATGGGACTACAGCACTGCCACCCACCCAGCTAATTTT	295		
DB	405259	GCCTCAGCTCTCTGAGTAGTGGGATACAGGCATGCACCACTGCCTGATTAATTTT	405318		
QY	296	-----GTAGACACAAGTTTGGCCATGTGTCAGGCTGGTTCGAACTCCGGC	346		
DB	405319	GTAGTTTGTAGTAGACGGGTTTCCACCATGTGGCCGGGCTGGTCTCGAACTCCGACC	405378		
QY	347	TCAAGGGATCCGGCCACCTCAGCCTCCCAAAGTGTAGGATTAAGCATGAGCCACTGT	406		
DB	405379	TCAGTGTATCCCGCCCTCGCCCTCCCAAAGTGTGGATTAATGCTGAGCCACCCG	405438		
QY	407	GCCACAGCTACCTTCAAGCTATCTAACTGGTTTAACTTTT--AGGATTCGGCCTATGT	464		
DB	405439	CCCGACCAATATTTCTTATATCTATCCCTGCTTTCCATTTGTCAGTACTGTCTGTAG	405498		
QY	465	CTCACAACCTTCTGCTTACTCAACATCTGTCCTTTAAGCCACTAGCTTCTTCTCTAT	524		
DB	405499	CTTCCAGATGCTCTCCCTATGTCCAATCTCTCATCTCTCCTCAAAATATCTTCTCTGT	405558		
QY	525	GGTTAACTTTTATGATGTTTTTATCTATCTGCTTATTTTCTTATCTCTATACCAAA	584		
DB	405559	GCCAACTAGATTCTTAAACACAGGTAGTCAUATTACTCTCTGATTAATAAATTTGA	405618		
QY	585	TTGAATATTTTCAATAAAGCACACTCATGTTTACAACTCTTTGAATGGAAAAAATG	644		
DB	405619	TAACTCATCACTGCAAGGAACTTGAACATTAACATGCTTCTTCTTCTTCTTCTCAGG	405678		
QY	645	CATAGGATTAGAAAAGAACCAATTTTAACTATATTTTGAAGTATAGTCTCTATTT	704		
DB	405679	CTTATCCCTCTATAGCTCCCTGCTGTGCAAGCTACCTTATCTCAGAATAGTTCAGTT	405738		
QY	705	AAACAACA-----AGATCTAGCCAGGTGTCAGTGCCTATGCTGTAATCCACCA	755		
DB	405739	CCTTAAACAGTCTAGATCAATGAGCCGGGCACAGTGGCTCAAGCCTGTAATCCACCA	405798		
QY	756	ATTTGGGAAGTCGAGTGGGAGGATTTGCTTGAGGCCAGGGTTCAAGACCACTGGGCA	815		
DB	405799	CTTTGGGAGCGAGCGGGCGGAT--CACGAGTTCAGGAGATCGAGACCATCTGGCTA	405856		
QY	816	ACATGGAGAGATTCCTTCTTTTACACACACACACACACACACACACACAAATAT	875		
DB	405857	ATCCGGTGAACCTCGTCTCTACTAAAAATAAAAAAATAGCCAGCGTGGTGGCGG	405916		
QY	876	CTGATAGCAACAGGTGAGTCAATACCACATTTTCGAGTGTAGTGTAGCTTAATAATTT	935		
DB	405917	CGCCTGTAGTCCAGCTACTCGGAGGCTGAGGCAGGAGATGGCGTGAACCCGGAGGC	405976		
QY	936	TCGAGTTATCAACAACAATGTAAACTAACTGAAACAGTCTGTGATCACTATTGCCAC	995		
DB	405977	GGAGTTGAGTGAACCGAGATCGGCCCATCTGCATCTCAGTCTGGGCGACAGACAAAC	406036		
QY	996	AAAGTCACAGGTACTGTAACTCTCTGTATTTGTAGTAAATTCATAATAAGAAATG	1055		
DB	406037	TCCGTCTCAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAA	406096		
QY	1056	CTAGGTTTCAGTTGTATTTTGTCCGAGGG-----TCTGTGGAGCGGAGGTAGAACG	1110		
DB	406097	TTTGTCTATGCTATTTTCAATTGCTGGAGTGTCTTCTCTCTGGAATAGAAAAATCTTCC	406156		
RESULT 12					
US-09-949-016-12513/c					
; Sequence 12513, Application US/09949016					
; Patent No. 6812339					
; GENERAL INFORMATION:					
; APPLICANT: VENTER, J. Craig et al.					
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED					
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF					
; FILE REFERENCE: CL001307					
; CURRENT APPLICATION NUMBER: US/09/949,016					
; CURRENT FILING DATE: 2000-04-14					
; PRIOR APPLICATION NUMBER: 60/241,755					
; PRIOR FILING DATE: 2000-10-20					
; PRIOR APPLICATION NUMBER: 60/237,768					
; PRIOR FILING DATE: 2000-10-03					
; PRIOR APPLICATION NUMBER: 60/231,498					
; PRIOR FILING DATE: 2000-09-08					
; NUMBER OF SEQ ID NOS: 207012					
; SOFTWARE: FastSeq for Windows Version 4.0					
; SEQ ID NO 12513					
; LENGTH: 103987					
; TYPE: DNA					
; ORGANISM: Human					
US-09-949-016-12513					
Query Match					
Best Local Similarity					
Matches 426;					
Conservative 0;					
Mismatches 283;					
Indels 17;					
Gaps 2;					
QY	128	TTTTTTTTTTTTTTTTTTT	TGAGACAGGGTCTACATGTCCACCCAGGTAGAGTCCAGTGGCACT	187	
DB	48509	TTTTTTTTTCTTTT	TAGACAGAGTCTCACTCAGTCACCTAGGCCAGAAATGCGATGCGCATA	48450	
QY	188	ATCATGGCTCACACAGCTCAACCTTTCAGGCTCAGGTGATCTTCCCACTTCAGCCTCC	247		
DB	48449	ATCTAGGCTCACTGCAACCTCTGCCACAGGGTTTCAACAATTCCTCTGCTTCAGCCTCC	48390		
QY	248	CGAGTAGATGGAGTCTACAGGCACCTGCCACCACTCCAGCTTAA-----TTTTTGT	297		
DB	48389	TGAGTGGCTGGACTACTAAGCACAGCCACCACTGCTGTTAATTTGTTGTTATTTTAGT	48330		
QY	298	AGAGACAAGGTTTTTGGCAATGTTCAGGCTGGTCTTGAATCTCTGGGCTCAAGGATCC	357		
DB	48329	AGAGACAGGGTTTTTACCATGTTCATCCAGGCTGGTCTCGAACTCTCTGACCTCAGGTGACC	48270		

Qy	358	GGCCAGCTCAGCTCCCAAAGTGTCTAGGATTATAGGCATGAGCCACTGTGCCAGCTTAC	417
Db	48269	ACCCTCTTGGCCTCCAAAGTGCTAGGATTACCGGTGTGAGCCAGGCGCCAGCCAGC	48210
Qy	418	CTTCAACGATCTAACTGGTTACTTACTTTTAGGATTTCGGCTATGTCTCACAACTTCT	477
Db	48209	ATTTTGTAATAGGTACAAATGAAGAGGGGAACCAAAAGTCTCAAGATATAATAAACTT	48150
Qy	478	TGCTTACTCAACATCTCTGTCTCTTAAGCCACTAGTCTTCTCTATGGTTAAACATTTT	537
Db	48149	TACTATTTTGTTTATCAGCGCGAGAAGTCTTAAAAATGTTCTACTCTTTGATCAGTTAC	48090
Qy	538	TATGAGTTTATTCATCTGCTTATTTTTCTTATTCCTCTATATACGAAATGGAATATTTCA	597
Db	48089	TTCAATGTGAGAAATCTGATCTAAGTATCTGAAATGCCATCACATATATTTCAAAAAGA	48030
Qy	598	AATAAAGCACATCATGTTACAACTTTTCAAAATGGNAAAAAAATAATGCATAGGATTAGAA	657
Db	48029	TGTTAACTTTAGCAATGTGCAGAGTGGAAATAATTTGGAAGACAACCTTTGTACCATTTAAA	47970
Qy	658	AAGAAACCAATTTTAATAAACTATATTTTT-----GAAGTATAGTCTTATATTAACAA	710
Db	47969	TACAAGTGATATCAAAATCCAAATTTGCTGTGTGAAGATATTTAAATACCTCATATAACA	47910
Qy	711	CAAGATCTAGGCAGGTGCAGTGGCTCATGCTGTAAATCCAGCAATTTTGGGAAGTCGAG	770
Db	47909	CAAAGTCTGGGCTGGGCGGGTGGCTCATGCCCTGTAAATCCAGCACTTTGGGTGGCTGAG	47850
Qy	771	GTGGGAGGATTGCTTGCAAGCCAGGGGTTCAAGACCAAGCTGGGCAACATGGAGAGATTCC	830
Db	47849	GCAGGCAGATCTCTCTGAGGTCAAGAGTTTGAGACTAGCTGGCCAACTGTGTGAACCCC	47790
Qy	831	CCATCT	836
Db	47789	ATCTCT	47784

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RESULT 13
US-09-949-016-17050/c
; Sequence 17050, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17050
; LENGTH: 103988
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17050

Query Match      10.5%; Score 219.2; DB 4; Length 103988;
Best Local Similarity 58.7%; Pred. No. 9.1e-42;
Matches 426; Conservative 0; Mismatches 283; Indels 17; Gaps 2;

QY      128      TTTT TTTT TTTT TTTT TTTT TGACAGAGGTTCACACTGTCCACCCAGGCTAGAGTCCAGTGGCACT 187
          |||||
Db       48509  TTTT TTTT TCTTTTAGACAGAGTCTCACTCAGTCACCTAGGCCAGAAATGCAGTGGCATA 48450
          |||||

QY      188  ATCATGGCTACACAGCGCTCAACCTTCAGGGCTCAGGTGATCTCTCCACATTTCAGCCCTCC 247
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Db	48449	ATCTAGGCTCACTGCAACCTCTGCCACACCGGGTTCAACAATTCCTCTGCTCAGCCTCC	48399
Qy	248	CGAGTAGATGGGACTACAGCACCTGCCACACCCCCAGCTAA-----TTTTGT	297
Db	48389	TGAGTGGCTGGGACTACAGCACACGCCACACCGCTGTGTAATTTGTTGATTTTTAGT	48330
Qy	298	AGAGACAAGGTTTTGCCATGTTTCCAGGCTGGTCTTGAACCTCTCTGGGCTCAAGGATCC	357
Db	48329	AGAGACAGGTTTTTACCATGTCTCATCCAGGCTGTCTGAACTCTCTGACCTCAGGTGACCC	48270
Qy	358	GGCCACCTCAGCCTCCCAAGTGTCTAGGATATAGGCATGAGCCACTGTGCCAGCCTAC	417
Db	48269	ACCTCTCTTTGGGCTCCCAAGTGTCTAGGATATACCGGTGTGAGCCAGGCGCCAGCCAGC	48210
Qy	418	CTTCAACGATCTAACTGGTTACTAACTTTTAGGATTCGGCTATGCTCTCAACCTTCT	477
Db	48209	ATTTTCTTAATAGGTACAAATGAGAGGGAAACACAAAAGTCTCAAGATAAATAAACTT	48150
Qy	478	TGCTTACTCAACATCCTTGTCTCTTTAAGCACAAGCTCTTCTCTATAGTTTAAACACTTTT	537
Db	48149	TACTATTTTGTTTTATCAGCGCGCAGAGTCTTTAAAAATGTTCTACTCTTTGATCAGTTAC	48090
Qy	538	TATGAGTTTTATCATCTGCTTATTTTCTTATCTCTATACAGGAATGGAATATTTTCA	597
Db	48089	TTCATGTGTGAGAATCTGATCTAAGTATCTGAAATGCCATCACAGATATATTTCAAAAAGA	48030
Qy	598	AATAAAGCACCTCATGTTTACAACTCTTTGAAATGGAATAAATGGAAGAACATCATTAGGATAGAA	657
Db	48029	TGTTAACTTTAGCAATGTGCAGAGTGGAAATATTTGGAAGACAACCTTTGTACCATTTAAA	47970
Qy	658	AAGAAACCAATTTTAAATAAATATATTTT-----GAAGTATAGTTCTATATTAAACAA	710
Db	47969	TACAAGTGATATCAAAATCCAATTTGCTGTGTGTAAGATATTTAAATACCTCATAAACA	47910
Qy	711	CAAGATCTAGGCAGGTGAGTGGCTCATGCTCTGTAATCCAGCAATTTGGGAAGTCGAG	770
Db	47909	CAAAAGTCTGGGTGGCGGGTGGCTCATGCTCTGTAATCCAGCACTTTGGGTGGCTGAG	47850
Qy	771	GTGGGAGGATTCCTGTAGGCCAGGGGTTCAAGACAGCCTCGGCAACATGAGAGATTCC	830
Db	47849	GCAGGCAGATCTCTGAGTCAAGGAGTTTGAGACTAGCTGGCCAACTGTTGAACCC	47790
Qy	831	CCATCT 836	
Db	47789	ATCTCT 47784	
RESULT 14			
US-09-949-016-12086			
; Sequence 12086, Application US/09949016			
; Patent No. 6812339			
; GENERAL INFORMATION:			
; APPLICANT: VENTER, J. Craig et al.			
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED			
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF			
; FILE REFERENCE: CL001307			
; CURRENT APPLICATION NUMBER: US/09/949,016			
; CURRENT FILING DATE: 2000-04-14			
; PRIOR APPLICATION NUMBER: 60/241,755			
; PRIOR FILING DATE: 2000-10-20			
; PRIOR APPLICATION NUMBER: 60/237,768			
; PRIOR FILING DATE: 2000-10-03			
; PRIOR APPLICATION NUMBER: 60/231,498			
; PRIOR FILING DATE: 2000-09-08			
; NUMBER OF SEQ ID NOS: 207012			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 12086			
; LENGTH: 152582			
; TYPE: DNA			
; ORGANISM: Human			
; FEATURE:			
; NAME/KEY: misc_feature			
; LOCATION: (1)...(152582)			

; OTHER INFORMATION: n = A,T,C or G					
US-09-949-016-12086					
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	Best Local Similarity	59.7%;	Pred. No. 2.6e-41;		
	Matches 448;	Conservative 0;	Mismatches 279;	Indels 23;	Gaps 4;
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Qy	109	TGTTTACCTTCAAAATATCTTTTTTTTTTTTTTTTTTTTTTGAGACAGGGGTCACTGTGCACCAG	168		
Db	5676	TATTTTTATTATTAATTTAATTTAATTTTGAATAGGGTCTCACTGTCTCCCG	5735		
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Qy	169	GCTAGAGTCAGTCGCACTATCATGGCTCACACAGCCTCAACCTTCAGGGCTCAGGTCA	228		
Db	5736	GCTGGAGTGCAGTGGCATGATCATGGCTCGCTGCAGCCTTGACCTCTTGTCCTTAAGCAA	5795		
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Qy	229	TCCTCCCACTTCAGCCTCCCGAGTAGATGGGACTACAGGCACCTGCCACACCCCAGCT	288		
Db	5796	TCCTCCAACCTCAGCATCTCAAGTAGCTGAGACTACAGGCACATGACACTACGCCTGGCT	5855		
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Qy	289	AA-----TTTTTGTAGAGACAAGTTTTGCCATGTTGTCCAGGCTGGTCTTGAAC	339		
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Qy	340	CCTGGGCTCAAGGATCGGCCACCTCAGCCTCCCAAAGTCGTAGGATATAGGCATAG	399		
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Qy	400	CCACTGTGCCAGCGCTACCTT-----CAACGTATCTAACTGGTTACTTAACCTTTTAGGA	452		
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Qy	453	TTGGCCCTATGCTTCACAACTCTTGCTTACTCAACATCCCTGTCTCTTAAGCCACTAG	512		
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Qy	513	CTTCTCTCTATGGTTAACCTTTTATAGGTTTTTATTCATCGCTTATTTTCTTATCC	572		
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Qy	573	TCATACCCAGAAATGMAATPATTTTCAAATAAAGCACACTCATGTTA-----CAATCTTTG	626		
Db	6156	AAAAAACTATATTTTCTGGCCAGGTGCAGTGGCTCATGCTGTAATTCAGACTTTTGGG	6215		
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Qy	627	AAATGGAAAAAATAATGCATAGGATTAAGAAAGAAACCAATTTTAATAAATAATATTTT	686		
Db	6216	AGGCTGAGGTGGAGGATCATCTTGAGCCCGAGGTTTGAGACCACTCTGGGCAACATAGG	6275		
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Qy	687	GAAGTATAGTTCTATATTAATAACAACAAGATCTAGGCCAGGTGCAGTGGCTCATGCTGTA	746		
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Qy	747	ATCCAGCAATTTGGGAAGTCGAGTGGGAGGATTTGCTTTAGGCCAGGGGTTTCAAGACCA	806		
Db	6335	ATCCAGCACTTTGGGAGCTGAGGTGGGCAGATCACTTTAGGTCAGGAGTTTGAGACCA	6394		
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Qy	807	GCCTGGGCAACATGAGAGATTTCCCCATCT	836		
Db	6395	GCCTGGGCAACATGGTGAATAAATCTGCTCT	6424		

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US-09-949-016-17390
; Sequence 17390, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20

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; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17390
; LENGTH: 152583
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(152583)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17390

Query Match          10.4%;   Score 217.6;   DB 4;   Length 152583;
Best Local Similarity 59.7%;   Pred.No. 2.6e-41;
Matches 448;   Conservative 0;   Mismatches 279;   Indels 23;   Gaps 4;

Qy      109  TGTTTACTCTCAAAATATCTTTTTTTTTTTTTTTTTTTTGAGACAGGGTCACACTGTCAACCAG 168
Db      5676  TATTTTATTTTATTTATTTATTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT
Qy      169  GCTAGAGTCAGTGGCAGCATATCATATGCTACACAGCCTCAACCTTCAGGGCTCAGGTGA 228
Db      5736  GCTGGAGTCAGTGGCATGATCATGGCTCGCTGCAGCCTTGAGCTCTTGTGCTTAAGCAA 5795
Qy      229  TCCTCCCACTTCAGCCTCCGAGTAGATGGACTACAGGCACCTGCCACACCCCACTG 288
Db      5796  TCCTCCCACTTCAGCATCTCAAGTAGCTGAGACTACAGGCACATGACACACACCTGCGCTGGCT 5855
Qy      289  AA-----TTTTTGTAGAGACAAGTTTGTGCCATGTTGTCCAGGCTGGTCTTGAAC 339
Db      5856  AATTTTGTATTTTGTGTAGAGACAGGTTTCGCCATGTTGTCCAGGCTGATCTTGAAC 5915
Qy      340  CTTGGGCTCAAGGATCCGGCCACCTCAGCCTCCCAAAGTGTAGGATATATAGGCATGAG 399
Db      5916  CTTGGGCTCAAGCATCTCCGCCCTCAGTCTCCCAAAGTGTGGGATTTCTAGGCGTGAG 5975
Qy      400  CCAGTGTGCCAGGCTACCTT-----CAAAGTATCTAACTGGTTACTAACTTTTAGGA 452
Db      5976  CCAGTGTGCCAGGCCCAAAATATTAAAGGATCCCAAATAACTTTGTTGTTTTTAAAGA 6035
Qy      453  TTGGGCTATGTCTCAACACTTCTTGCTTACTCAACATCCTTGCTCTCTTAAGCCACTAG 512
Db      6036  ATCTGAGGACAAATCAAGGAGCTTTGTTTATGTGGGTTAGATCTATGTGTATCTACCTG 6095
Qy      513  CTTCCTCTCATGGTTAAACACTTTTTATGAGTTTATTTCACTGCTTATTTTTTCTTATCC 572
Db      6096  ATCAGAAATTTAAATAAACAATAAATAAATAAGATGCTTAACAACTATATATGTAT 6155
Qy      573  TCTATACCAGAAATGGAATATTTTCAAATAAAGCACACTCATGTTA-----CAATCTTTG 626
Db      6156  AAAAAACTATATTTTCTGGCCAGGTGCAGTGGGCTCATGCTGTAAATTCAGTACTTTGGG 6215
Qy      627  AATGTHAAAAAATAATGCATAGATAGTAAGAAAGAAACCAATTTTATAAACAATATATTTT 686
Db      6216  AGGCTGAGGTGGAGGATCACTTGAGCCAGGAGTTTGAGACCAAGCTCTGGGCAACATAGG 6275
Qy      687  GAAGTATAGTCTTATATTAACAACAAGATCTAGGCCAGGTGCACTGGCTCATGCTGTGA 746
Db      6276  GATACCTTG-TCTCTACAAAAATAAAAAATAGGCCGTGCACAGTGGCTCACACCTGTA 6334
Qy      747  ATCCAGCAATTTGGGAAGTCGAGGTGGGAGGATTTGCTTGAGGCCAGGGGTTTCAAGACCA 806
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Db      6395  GCCTGGGCAACATGGTGAATACTGTCTCT 6424

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Maximum DB seq length: 2000000000

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SUMMARIES

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12	265.4	12.7	665	9	US-09-960-253-107	Sequence 107, App
13	261.4	12.5	3859	9	US-09-864-864-300	Sequence 300, App
14	261.4	12.5	3859	14	US-10-097-340-3	Sequence 3, Appli
15	261.4	12.5	3859	14	US-10-163-587A-3	Sequence 3, Appli
16	259.2	12.4	4100	18	US-10-723-860-6526	Sequence 6526, Ap
17	255	12.2	652	18	US-10-363-345A-33299	Sequence 33299, A
C 18	255	12.2	652	18	US-10-363-345A-33300	Sequence 33300, A
19	255	12.2	652	19	US-10-363-483A-33299	Sequence 33299, A
C 20	255	12.2	652	19	US-10-363-483A-33300	Sequence 33300, A
21	247.8	11.9	654	18	US-10-363-345A-11999	Sequence 11999, A
C 22	247.8	11.9	654	18	US-10-363-345A-12000	Sequence 12000, A
C 23	247.8	11.9	654	19	US-10-363-483A-11999	Sequence 11999, A
C 24	247.8	11.9	654	19	US-10-363-483A-12000	Sequence 12000, A
C 25	244.6	11.7	1614	9	US-09-764-860-986	Sequence 986, App
C 26	244.6	11.7	1614	9	US-09-764-860-987	Sequence 987, App
C 27	244.6	11.7	1614	14	US-10-074-095-986	Sequence 986, App
C 28	244.6	11.7	1614	14	US-10-074-095-987	Sequence 987, App
C 29	244.6	11.7	1614	17	US-10-212-872-986	Sequence 986, App
C 30	244.6	11.7	1614	17	US-10-212-872-987	Sequence 987, App
31	243.8	11.7	3686	15	US-10-084-817-316	Sequence 316, App
32	239.2	11.5	722	9	US-09-960-253-106	Sequence 106, App
33	234.8	11.3	3861	17	US-10-334-143-100	Sequence 100, App
C 34	227.4	10.9	57181	19	US-10-741-600-17781	Sequence 17781, A
35	227.2	10.9	107820	10	US-09-792-616-1	Sequence 1, Appli
36	227.2	10.9	107820	18	US-10-764-328-1	Sequence 1, Appli
37	227.2	10.9	172984	19	US-10-484-577-661	Sequence 661, App
38	226	10.8	67783	11	US-09-997-722-238	Sequence 238, App
39	220.6	10.6	370	18	US-10-723-860-2326	Sequence 2326, Ap
40	219.8	10.5	32191	17	US-10-074-024-446	Sequence 446, App
C 41	219.2	10.5	96595	17	US-10-034-650-34	Sequence 34, Appli
42	218.6	10.5	147620	18	US-10-723-860-2768	Sequence 2768, Ap
43	217.6	10.4	169659	18	US-10-322-696-70	Sequence 70, Appli
44	217.2	10.4	28693	19	US-10-741-600-17761	Sequence 17761, A
C 45	217	10.4	6562	18	US-10-363-345A-33297	Sequence 33297, A

ALIGNMENTS

RESULT 1

US-09-909-317-5
; Sequence 5, Application US/09909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Teao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Roster (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2085
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-5

Query Match 100.0%; Score 2085; DB 11; Length 2085;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 2085; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTAGGGATGATATAGTTGTCAACCCAGATGGCATCATGCTTTTGACTTGGTCA 60

Db 1 TTTAGGGATGATATAGTTGTCAACCCAGATGGCATCATGCTTTTGACTTGGTCA 60

Qy 61 TTCTCTAGTAAACTTTTATTTTCCATCATATTTTCCACTTATCTGTTACCTTCA 120

Db 61 TTCTCTAGTAAACTTTTATTTTCCATCATATTTTCCACTTATCTGTTACCTTCA 120

QY 121 AAATATCTTTTTTTTTTTTTTTTTTTTGGACAGGGTACACTGTCACCCAGGCTAGAGTCCAG 180
DB 121 AAAATATCTTTTTTTTTTTTTTTTTTTTGGACAGGGTACACTGTCACCCAGGCTAGAGTCCAG 180
QY 181 TGGCACTATATGCTACCAAGAGCTCAAGCTTCAAGGGCTCAGGTGATCTCCACATTC 240
DB 181 TGGCACTATATGCTACCAAGAGCTCAAGCTTCAAGGGCTCAGGTGATCTCCACATTC 240
QY 241 AGCCTCCGAGTAGATGGAGTACAGGACCTGCCACCCAGGCTAAATTTTGTAGA 300
DB 241 AGCCTCCGAGTAGATGGAGTACAGGACCTGCCACCCAGGCTAAATTTTGTAGA 300
QY 301 GACAAGGTTTTGCCATGTTGCTCAGGCTGCTTGAAGCTCCTGGGCTCAAGGGATCCGGC 360
DB 301 GACAAGGTTTTGCCATGTTGCTCAGGCTGCTTGAAGCTCCTGGGCTCAAGGGATCCGGC 360
QY 361 CACCTCAGCCTCCCAAGTGTAGGATATAGGCATGAGCCACTGTGCCCCAGGCTACCTT 420
DB 361 CACCTCAGCCTCCCAAGTGTAGGATATAGGCATGAGCCACTGTGCCCCAGGCTACCTT 420
QY 421 CAACGTAATCTAAGTGTACTAACTTTTGAAGTTCGGCTATGCTCAACACTTCTTGC 480
DB 421 CAACGTAATCTAAGTGTACTAACTTTTGAAGTTCGGCTATGCTCAACACTTCTTGC 480
QY 481 TTACTCAACATCTTGTCTCTTAAGCCACTAGCTTCTTCTATGTTTAAACACTTTTTAT 540
DB 481 TTACTCAACATCTTGTCTCTTAAGCCACTAGCTTCTTCTATGTTTAAACACTTTTTAT 540
QY 541 GAGTTTTATCATCTGCTTATTTTTTCTTATCTCTATACAGAAATGTAATTTTTCAAT 600
DB 541 GAGTTTTATCATCTGCTTATTTTTTCTTATCTCTATACAGAAATGTAATTTTTCAAT 600
QY 601 AAAGCACACTCATGTTCAACTTTTGAATGAGAAATGAAATGATAGGATGAAAG 660
DB 601 AAAGCACACTCATGTTCAACTTTTGAATGAGAAATGAAATGATAGGATGAAAG 660
QY 661 AAACCAATTTTAAATAAATAATTTTGAAGTATAGTTCTATTAATAAACAAGATCTAG 720
DB 661 AAACCAATTTTAAATAAATAATTTTGAAGTATAGTTCTATTAATAAACAAGATCTAG 720
QY 721 GCCAGGTGAGTGGCTCATGCTGTAATCCAGCAATTTGGAAAGTTCAGGTGGAGGAT 780
DB 721 GCCAGGTGAGTGGCTCATGCTGTAATCCAGCAATTTGGAAAGTTCAGGTGGAGGAT 780
QY 781 TGCTTGAGGCCAGGGTTTCAAGACAGCTGGGCAACATGAGAGATTTCCCATCTCTTT 840
DB 781 TGCTTGAGGCCAGGGTTTCAAGACAGCTGGGCAACATGAGAGATTTCCCATCTCTTT 840
QY 841 CTTTACATTA 900
DB 841 CTTTACATTA 900
QY 901 CCACAAATTCAGTAGTAGTGAAGCTTAATAATTTTCAGTTATCACCAACACTGTAAA 960
DB 901 CCACAAATTCAGTAGTAGTGAAGCTTAATAATTTTCAGTTATCACCAACACTGTAAA 960
QY 961 CTAACATGAAACGCTGTGATGACTATTTGCCACAAAGTACAGGTACTGCTAATCTC 1020
DB 961 CTAACATGAAACGCTGTGATGACTATTTGCCACAAAGTACAGGTACTGCTAATCTC 1020
QY 1021 CTGGTATTTGTAGTAAATTTATAATAAGGAAATGCTAGGTTTTCAGTTGTTATTTGTC 1080
DB 1021 CTGGTATTTGTAGTAAATTTATAATAAGGAAATGCTAGGTTTTCAGTTGTTATTTGTC 1080
QY 1081 CGAGGCTGTGGAGCGGAGGTTAGAACCCCGTCCAAAGCCAGGAGGTTGGACCTTAGCAC 1140
DB 1081 CGAGGCTGTGGAGCGGAGGTTAGAACCCCGTCCAAAGCCAGGAGGTTGGACCTTAGCAC 1140
QY 1141 TGCAGGCTCCACTCGGCGCAATCAACTATATTTCCGAGGCGGGGCTCGGCTTCCCGG 1200
DB 1141 TGCAGGCTCCACTCGGCGCAATCAACTATATTTCCGAGGCGGGGCTCGGCTTCCCGG 1200
QY 1201 ACCCAGCTGCCCTCAGGGGAGAGGACACACTTAAGAGTTTGGGGCGGCGTGTAGTCT 1260

DB 1201 ACCCAGCTGCCCTCAGGGGAGAGGACACACTTAAGAGTTTGGGGCGGCGTGTAGCT 1260
QY 1261 CATGCCCTGTATCCAGACACTTCGGAGGCTGAGCGGTGAAGATCACTTTGAGCAGGAGT 1320
DB 1261 CATGCCCTGTATCCAGACACTTCGGAGGCTGAGCGGTGAAGATCACTTTGAGCAGGAGT 1320
QY 1321 TTGAGACAGCTAGCCAACTTGGCGAGACCTGTCCTTAAAAAATTTTTTTTAAAT 1380
DB 1321 TTGAGACAGCTAGCCAACTTGGCGAGACCTGTCCTTAAAAAATTTTTTTTAAAT 1380
QY 1381 AGCCAGTTGTGCTGAGCGCTGTAGTCCAGCTACTTCGGAGGCTGAGGTGGAGGATCG 1440
DB 1381 AGCCAGTTGTGCTGAGCGCTGTAGTCCAGCTACTTCGGAGGCTGAGGTGGAGGATCG 1440
QY 1441 CTGGGCTCAGAGTTCAGACTGTCAGTGTAGCATGTATGGCGGCACTGCACTCCAGCGGG 1500
DB 1441 CTGGGCTCAGAGTTCAGACTGTCAGTGTAGCATGTATGGCGGCACTGCACTCCAGCGGG 1500
QY 1501 TGAGACTCAGTCTCAAAAATTAAGGGGAGGGGTTGGGGGTAAAAATTTAGTTGTGAATC 1560
DB 1501 TGAGACTCAGTCTCAAAAATTAAGGGGAGGGGTTGGGGGTAAAAATTTAGTTGTGAATC 1560
QY 1561 AAGTAAGACTTCTGGGACAGAAACAATCAAAAGGGTGGCGCGGCTCTCCAAAAGAGCTA 1620
DB 1561 AAGTAAGACTTCTGGGACAGAAACAATCAAAAGGGTGGCGCGGCTCTCCAAAAGAGCTA 1620
QY 1621 CTAGCTCAGCCCAAGCCCGCTCGGCCCCAGAGGCGAGCGGCTCCACCCGGC 1680
DB 1621 CTAGCTCAGCCCAAGCCCGCTCGGCCCCAGAGGCGAGCGGCTCCACCCGGC 1680
QY 1681 AGCGCCCGGAAACTCCGCCCCCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1740
DB 1681 AGCGCCCGGAAACTCCGCCCCCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1740
QY 1741 TGGACGGGGTTCGCTGGCGTTCGCGGCGCAGGCATCAGCAATCTATCAGGGAACGGCG 1800
DB 1741 TGGACGGGGTTCGCTGGCGTTCGCGGCGCAGGCATCAGCAATCTATCAGGGAACGGCG 1800
QY 1801 GTGGCGGCTGGCGGCTGTTGCTGGCGCTCTGGCGCTCAGCGGTGGCGGCTGGGTGAGCG 1860
DB 1801 GTGGCGGCTGGCGGCTGTTGCTGGCGCTCTGGCGCTCAGCGGTGGCGGCTGGGTGAGCG 1860
QY 1861 CACGAGGCGGCGGCGGCGCAAGCTGTTCTTAGTCTGCTGGCTCGGCTTCGGGCTCCGAG 1920
DB 1861 CACGAGGCGGCGGCGGCGCAAGCTGTTCTTAGTCTGCTGGCTCGGCTTCGGGCTCCGAG 1920
QY 1921 CTTTGGCGGCACTAGGCGGAGTGGCGGAGTCTTTCGGATAAGCTCTATCGAGTCGAGTA 1980
DB 1921 CTTTGGCGGCACTAGGCGGAGTGGCGGAGTCTTTCGGATAAGCTCTATCGAGTCGAGTA 1980
QY 1981 CGCAAGAGCGGGCGGCTCTTTCAGAAATGACAGAGAGCATCCCAAGGACTCGCT 2040
DB 1981 CGCAAGAGCGGGCGGCTCTTTCAGAAATGACAGAGAGCATCCCAAGGACTCGCT 2040
QY 2041 CCGGATCGCATCATGTTGTCAGGTGCGGGCGGCTGTGCGGCGGGG 2085
DB 2041 CCGGATCGCATCATGTTGTCAGGTGCGGGCGGCTGTGCGGCGGGG 2085

RESULT 2

US-10-239-676-1
; Sequence 1, Application US/10239676
; Publication No. US20030082609A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
; FILE REFERENCE: 5013.1003
; CURRENT APPLICATION NUMBER: US/10/239,676
; CURRENT FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: PCT/EP01/03968

[illegible]

Qy 1950 CTGGGTGAGCGCAGCGAGCGGGCGGCGCAAGCGTGTGTTTCTTAGTCTGTCGGCGTCG 1909
Db 4971 TTGGTGTAGCGGTACGCGAGGCGGCGAGCGCGTA---CCGTGTTTTAGGTCTGTGGCGTCG 5027
Qy 1910 GGCTTCGGAGCTTTGCGGCGCAGCTAGGGGAGGATGCGGAGTCTTCGGATAAGCTCTAT 1969
Db 5028 GGTTTTCCGGAGTTTTGCGCGTAGTTAGGGAGGATGCGGAGTTTTTCGGATAAGTTTTAT 5087
Qy 1970 CGAGTCGAGTACGCAAGAGCGGCGCGCTCTTGCAGAAATGCAGCGAGATCCCC 2029
Db 5088 CGAGTCGAGTACGTTAGAGCGGCGGTTTTTTGTAGAAATGTAGCGAGATTTTTT 5147
Qy 2030 AAGGATTCGTCGAGTGGCCATCAGGTGCAGTGCAGGCGCGCTGTGCGCGCGG 2085
Db 5148 AAGGATTCGTTTCGATGGTTATTATGCTAGGTGCGGTTTTTGTGCGGCGGCG 5203

RESULT 3
US-10-311-455-43
; Sequence 43, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of diseases Associated with the Immune System by Determining the Sequence of a Polynucleotide
; TITLE OF INVENTION: cytosine methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 43
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-43

Query Match 58.7%; Score 1223.6; DB 15; Length 10619;
Best Local Similarity 77.2%; Pred. No. 4.3e-289;
Matches 1618; Conservative 0; Mismatches 459; Indels 19; Gaps 10;

Qy 1 TTTAGGATGATATAGTTGTCAACCCAGAGATGCGCATGATCGCTTTTGGACTTGGTCA 60
Db 3116 TTTAGGATGATATAGTTGTAAATTAGAGATGATGATATGTTTTTGGATTGGTTA 3175
Qy 61 TTCTCTAAGTAAACTTTTATTTGTTCCATCATATTTTCCACTTATTTCTGTTTACCTTCA 120
Db 3176 TTTTAAAGTAAATTTTATTTGTTTATATATTTTATTTATTTTATTTTATTTT 3235
Qy 121 AAATATCTTTTTTTTTTTTTTTTGTAGACAGGGTCACACTGTCAACCCAGGCTAGAGTCCAG 180
Db 3236 AAATA--TTTTTTTTTTTTTTTGTAGATAGGGTTATATTTGTTATTTAGTTAGGTTTAG 3293
Qy 181 TGGCACTCATATGCTCACCACAGCTCAACCTTCAGGCTCAGGTGATCTCCCACTTC 240
Db 3294 TGTATTATTTATGTTTATTTATATAGTTTAAATTTTTTAGGGTTTAGGTGATTTTTTTATTTT 3353
Qy 241 AGCTCCCGAGTAGATGGGACTACAGGCACTGCGCACACCCCGAGCTAATTTTTGTAGA 300
Db 3354 AGTTTTCGAGTAGATGGGATATAGGATTTGTTATATTTTATTTTATTTTGTAGA 3413
Qy 301 GACAAGGTTTTGCCATGTTGTCAGGCTGGTCTTGAACCTCTGGGCTCAAGGATCCGGC 360
Db 3414 GATAAGGTTTGTATGTTGTTAGTTGGTTTGAATTTTTTGGTTTAAAGGGATTCCGT 3473


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Db 4552 AGGATCGTGGGTTAGGAGTTTATAGATTGTAGTGGATTATGATGGCGGTATTTATTTT 4611
Qy 1494 AGCGCGGTGAGACTCAGTCTCAAAAATAAAGGGGCGGGTGGGGGTAAATAATTAGTTG 1553
Db 4612 AGCGCGGTGAGATTAGTTTAAATAATAAAGGGGAGGGGTGGGGGTAAATAATTAGTTG 4671
Qy 1554 TGAATCAAGTAAGACTTCTCGGACAGAAATCAAAAGGGGTGGCGCGGTCTCCAA 1613
Db 4672 TGAATTAAGTAAGATTCTTGGGATAGAAATAATAAAGGGGTGGCGTGGGTCTTTTAA 4731
Qy 1614 AGAGTACTAGCTAGCCCAAGCCCGCTCGGCCCGGCGGCGGCGGCGGCGGCGGCTCC 1673
Db 4732 AGAGTTATTAGTTTAAAGTTTCGTTTCGGTTTCTTA-GTAGCGGTCTAGAGTTT 4790
Qy 1674 ACCCGGAGGCGCGCGGAAACTCGCCCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 1732
Db 4791 ATTGGTAGGCGTTCGGGAAATTTCTGTTTCGGTTCGGTTCGGGCGGCGGCGGCGG 4850
Qy 1733 CGCCCGGTGACGCGGGTTCGGT-GGCGTTCCCGCGGCGGCGGCGGCGGCGGCGGCGG 1791
Db 4851 TCGTTTCGTGACGCGGGTTCGTGGCGGTTTCGGGCGGTTAGGTATTAGTAATTTATTAG 4910
Qy 1792 GGAACGGCGGTGGCGGTTCGGCGGTTCGGTGGCGGTTTCGGTGGCGGTTTCGGTGG 1849
Db 4911 GGAACGGCGGTGGCGGTTCGGCGGTTCGGTGGCGGTTTCGGTGGCGGTTTCGGTGG 4970
Qy 1850 CTGGGTGAGCGCACGCGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1909
Db 4971 TTGGGTGAGCGTACGCGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 5027
Qy 1910 GCGTTCCGCGAGCTTTGGCGGCGAGCTAGGCGGAGATGGCGGAGTCTTCGGATAAGCTCTAT 1969
Db 5028 GGTTCGAGGTTTGGCGGTAGTTAGGCGGAGTGGCGGAGTTTCGGATAAGTTTAT 5087
Qy 1970 CGAGTCGAGTAGCGCAAGAGCGGCGGCGCTTCGCAAGAAATGCGAGGAGCATCCCC 2029
Db 5088 CGAGTCGAGTAGCTTTAAGAGCGGCGGCGCTTTTTCGTAAGAAATGAGCGAGATTTT 5147
Qy 2030 AAGGACTCGCTCCGATGCGCATCATGTGCGAGGTGGCGGCGGCGGCGGCGGCGG 2085
Db 5148 AAGGATTCGTTCCGATGGTTATTATGGTGTAGGTGGCGGTTTGTGCGGCGGCGG 5203

RESULT 4
US-10-240-453-1
; Sequence 1, Application US/10240453
; Publication No. US20030148326A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA
; TITLE OF INVENTION: Transcription
; TITLE OF INVENTION: by Means of Assessing the Methylation Status of Genes Associated
; TITLE OF INVENTION: With DNA Transcription
; FILE REFERENCE: 5013.1009
; CURRENT APPLICATION NUMBER: US/10/240.453
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03973
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 350
; SEQ ID NO 1
; LENGTH: 10619
; TYPE: DNA

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-453-1

Query Match 58.7%; Score 1223.6; DB 15; Length 10619;
Best Local Similarity 77.2%; Pred. No. 4.3e-289;
Matches 1618; Conservative 0; Mismatches 459; Indels 19; Gaps 10;

Qy 1 TTTAGGAGTATATAGTTGTCAACCCAGAGATGGCATGATCATGCTTTTGACTTTGGTCA 60
Db 3116 TTTAGGAGTATATAGTTGTCAACCCAGAGATGGCATGATCATGCTTTTGACTTTGGTCA 3175
Qy 61 TTCTCTAAGTAAAACTTTATTTGTTCATCATATTTTCCACTTATTCGTTTACCTTCA 120
Db 3176 TTTTAAAGTAAAAATTTATTTGTTCATCATATTTTCCACTTATTCGTTTACCTTCA 3235
Qy 121 AAATATCTTTTTTTTTTTTTTTTGTAGACAGGCTCACACTGTCCAGGCTAGAGTCCAG 180
Db 3236 AAATA--TTTTTTTTTTTTTTTGTAGATAGGGTTATATTTGTATTTAGGTTAGAGTTAG 3293
Qy 181 TGGCACTATCATGGCTCACACAGCCTCAACCTTCAGGGCTCAGGTGATCTCCCACTTC 240
Db 3294 TGGTATTATATAGTTTATATAGTTTAAATTTTGTAGGTTTGTAGGTATTTTATTTT 3353
Qy 241 AGCCTCCGAGTAGATGGGACTACAGGCACCTGCCACCACCCAGCTAAATTTTGTAGA 300
Db 3354 AGTTTTCGAGTAGATGGGATATAGGTATTTGTATTTATTTTGTAGTTAAATTTTGTAGA 3413
Qy 301 GACAGGTTTTGCCATGTTTCCAGGCTGGTCTTGAACCTCCTGGGCTCAAGGGATCCGCG 360
Db 3414 GATAAGGTTTTGTATGTTTGTAGGTTGGTGTGAAATTTTGGGTTTAAAGGGATCCGCT 3473
Qy 361 CACCTCAGCCTCCCAAGTGTAGGATATATAGGATAGCCACTGTGCGCCAGCTACCTT 420
Db 3474 TATTTTAGTTTAAAGTGTAGGATATATAGGATAGGATTTGTGTTAGTTATTTT 3533
Qy 421 CAACGTATCTAAGTGTACTAACTTTTGTAGGATTCGGCTATGTCTCAACCTTCTTTCG 480
Db 3534 TAACGTATTTAATTTGGTTTAAATTTTGTAGGATTCGGTTTATGTTTATTAATTTTGT 3593
Qy 481 TTACTCAACATCTGTCTCTTAAGCCACTAGTCTTCTCTATAGGTTAAACACTTTTAT 540
Db 3594 TTAATTAATTTTGTGTTTAAAGTATTTAGTTTATTTTATTTTATTTTATTTTAT 3653
Qy 541 GAGTTTATTCATCTGCTTATTTTCTTATCTATACAGAAATGTAATATTTTCAAT 600
Db 3654 GAGTTTATTTATTTGTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTAT 3713
Qy 601 AAAGCACACTCATGTTCAATCTTTGAAATCGAAAAAATGATAGGATTAGAAAAG 660
Db 3714 AAAGTATATTTATGTTTAAATTTTGAAT-GAAAAAATAATGATAGGATTAGAAAAG 3772
Qy 661 AAACCAATTTTAAACTATATTTTGAAGTATAGTCTCTATATTAACAACAAGATCTAG 720
Db 3773 AAATTAATTTTAAATAATATTTTGAAGTATAGTCTCTATATTAATAATAAGATTTAG 3832
Qy 721 GCCAGTGCAGTGGCTCATGCTGTAATCCAGCAATTTGGGAGTCCAGGTGGGAGGAT 780
Db 3833 GTTAGGTGTAGTGGTTTATGTTTGTAAATTTGGGAGTTCGAGGTGGGAGGAT 3892
Qy 781 TGTGTAGGCGCAGGGTTCAAGACAGCCTCGGCAACATGGAGAGATTTCCCATCTCTTT 840
Db 3893 TGTGTAGGTTAGGGTTTAAAGATTTAGTTGGGTAATATGAGAGATTTTATTTT 3952
Qy 841 CTT-----TACACACACACACACACACACACACACACACACACACACAGGTGCAG 894
Db 3953 TTTTATATATATATATATATATATATATATATATATATATATATATATATATAGTGTG 4012
Qy 895 TCATTACCACAATTTTCGAGTGTAGTGTATTAATATTTTCGAGTTATCACCACACAC 954
Db 4013 TTATTATTAATAATTTTCGAGTGTAGTGTATTAATAATTTTCGAGTTATTTATTAATAAT 4072

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Db 3594 TTAATTAATATTTTGTGTTTAAAGTTATTAAGTTTATTTTATGTTTATTTTATGTTTAAATATTTTAT 3653
Qy 541 GAGTTTATTCATCTGCTTATTTTCTTATCTCTATACAGAAATTTGAATATTTTCAAAAT 600
Db 3654 GAGTTTATTTATTTGTTTATTTTATTTTATTTTATTTATTTATTTTATTTTAAAT 3713
Qy 601 AAAGCACACTCATGTTACAATCTTTGAAATGGAAAAAATGATAGGATTTAGAAAG 660
Db 3714 AAAGTATATTTATGTTATAATTTTGAAT -GAAAAAATAATGATAGGATTTAGAAAG 3772
Qy 661 AAACCAATTTAATAAATATATTTTGAAGTATAGTTCTATATTAACAACAAGATCTAG 720
Db 3773 AAAATTAATTTAATAAATATTTTGAAGTATAGTTTATATTAATAATAAAGATTTAG 3832
Qy 721 GCCAGTGCAGTGGCTCATGCTGTAATCCAGCAATTTTGGAACTCGAGGTGGAGGAT 780
Db 3833 GTTAGTGTAGTGGTTATGTTTGTAAATTTTGTAAATTTTGGAACTCGAGGTGGAGGAT 3892
Qy 781 TGCTTGAGGCGAGGGTTCAAGACAGCCTGGGCAACATGAGAGATTTCCCATCTCTTT 840
Db 3893 TGCTTGAGGTTAGGGGTTAAGATTTAGTTTGGGTAATATGAGAGATTTTATTTT 3952
Qy 841 CTT-----TACACACACACACACACACACAAATATCTGATAGCAAGTGCAG 894
Db 3953 TTTTATTTGATAGTATAGGTGTTG 4012
Qy 895 TCATTACCAATTTTCGAGTAGTAGTGTAAATTAATTTTCAGATTTATCACCACAAAC 954
Db 4013 TTAATTAATTAATTTTCGAGTAGTAGTGTAAATTAATTTTCAGATTTATTAATAAT 4072
Qy 955 TGTAACCTAACATGAAACGCTGTGATGACTATTGCCCAACAAAGTCACAGGTACTGCTA 1014
Db 4073 TGTAAGTAAATGAAACGGTTTGTGATGATTGTTTATTAAGTTATAGTATTGTTA 4132
Qy 1015 ATACTCTGGTATTTGTTAG -TAAATTCATATAAAGGAAATGCTAGTTTCAGTTGGTAT 1073
Db 4133 ATATTTTGGTATTTGTTAGTTAAATTTTAAATTTTAAAGGAAATGTTAGTTTGGTAT 4192
Qy 1074 TTTGTCGAGCGTCTGTCGAGCGGTAGAGTAAAGCCGCTCCAGCCAGGAGGGTGAC 1133
Db 4193 TTTGTTTCGAGCGTTTGGAGCGGTAGGTAGAACGTTTCGTTTAAAGTTAGGAGGGTGGAT 4252
Qy 1134 CTAGCACTGCAAGGTCACCTCGGCGCAATCAACTATATTTCCGAGCGGGGCGCTGCGC 1193
Db 4253 TTAGTATTTAGGTTTATTTCCGGTTAAATTAATTTATTTTCGAGCGGGG -TTGGT 4311
Qy 1194 TTCCCGGACCCAGCTGCCCTCAGGGGAGAGGACACACTTAAGAGTTTGGGCGCGGT 1253
Db 4312 TTTTCGGAATTTAGTTGTTTATTTAGGGGAGAGGATATATTTAAGAGTTTGGGTCGGGT 4371
Qy 1254 GGTAGCTCATGCCCTGATCCAGCACTTCGGGAGCTGAGCGGTGAAGATCACTTGTAG 1313
Db 4372 GGTAGTATATGTTTGTGATTTTAGTTTATTTTCGGGAGTTGAGCGGTGAAGATTTTGTAG 4431
Qy 1314 CAGGAGTTTGAGACAGTCTAGCAACTTGGCGAGACCCCTGCTCCCTAAAAAAATTTT 1373
Db 4432 TAGGATTTGAGATTAGTTTAAATTTTGGAGATTTTGTTTTAAAAAATTTT 4491
Qy 1374 TTTAATTAGCCAGTTGGTGAGCGCTGTATGTCACGTACTCGGAGGCTGAGGTGGG 1433
Db 4492 TTTAATTAGTTAGTTGCTGAGCGTTTGTAGTTTGTAGTTTATTCGGAGGTTGAGGTGGG 4551
Qy 1434 AGGATCGCTGGCTCAGGAGTTCAGAGTTCAGAGTCAGGATGAGCGGCACTGCATCC 1493
Db 4552 AGGATCGTTGGGTTAGGAGTTTGTAGATTGTAGTTGAGTTATGATGGCGGTATTTGTTT 4611
Qy 1494 AGCGCGGTGAGACTCAGTCTCAAAAAATAAAGGGGAGGGGTGGGGGTAAAAATAGTTG 1553
Db 4612 AGCGCGGTGAGATTTAGTTTAAAAATAAAGGGGAGGGGTGGGGGTAAAAATAGTTG 4671
Qy 1554 TGAATCAAGTAAAGCTTCTCGGGACAGAAATCAAAAGGGGTGGCGCGGCTCTCCAA 1613

Db 4672 TGAATTAAGTAAGATTTTGGGATAGATAAATAAAGGGGTGGCGTGGGTTTAA 4731
Qy 1614 AGAGTACTAGCTAGCCAAAGCCCGCTCGGCCCCAGAGGCGAGCGGCGCAGAGCTCC 1673
Db 4732 AGAGTTATTTAGTTTAAAGTTTTCGTTTCGGTTTTTA -GGTAGGGTCGTAGAGTTT 4790
Qy 1674 ACCCGGAGGCGCGCGGAAACTCCGCCCCCGGCGGCGAGCGCGCGC -CCGCCGCGC 1732
Db 4791 ATTCCGTAGGCGTTCCGGAAATTTTCGTTTTCGGTCCGTAGGGCGCGCGTCTCGT 4850
Qy 1733 CGGCCCGGTGACCGCGGTTCCGT -GCGTTCGCCGCGCCAGGCATCAGCAATCTATCAG 1791
Db 4851 TCGTTTCGTGACCGCGGTTTCGTGGCGGTTTCGCGTTAGGTATTAGTAATTTATAG 4910
Qy 1792 GAAACGCGCGGTGGCGCGTTCGCGTTCGCGTTCGCCGCTCAGCCGTCGGCG 1849
Db 4911 GGAACGCGGTTGGTTCGCGTTCGCGGTTTCGCGTTCGTTTAAAGTTTCGG 4970
Qy 1850 CTGGGTAGCGCACGCGAGGCGGCGGCAACGCTGTGTTCTAGTCTGGCGTCCG 1909
Db 4971 TTGGTCAAGCGTACGCGAGGCGCGAGCGGTA --GCGTGTTCGTTTTCGTCGCGTCCG 5027
Qy 1910 GGCTTCGAGCTTTGGCGCGAGCTAGGGGAGGATGCGGAGTCTTCGATTAAGCTCTAT 1969
Db 5028 GGTTCGAGTTTTCGCGTAGTTTAGGGAGGATGCGGAGTTTCGGATAAGTTTAT 5087
Qy 1970 CGAGTCGAGTACGCGCAAGCGCGCGCTTCGCAAGAAATGCGAGAGCATCCCC 2029
Db 5088 CGAGTCGAGTACGTTAAGCGCGCGCGCTTTTGTGAAGAAATGAGCGAGAGTATTTT 5147
Qy 2030 AAGCACTCGCTCCGATGGCCATCATGTCAGGTCGCGGCGGCTGTGCGCGGG 2085
Db 5148 AAGCATTCGTTTCGATGTTTATGTTAGGTGCGGTTTTCGCGCGCGCG 5203

RESULT 6

US-10-239-676-2/c
; Sequence 2, Application US/10239676
; Publication No. US20030082609A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
; FILE REFERENCE: 5013.1003
; CURRENT APPLICATION NUMBER: US/10/239,676
; CURRENT FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: PCT/EP01/03968
; DE 10019058.8
; DE 10019173.8
; DE 10032529.7
; DE 10043826.1
; PRIOR FILING DATE: 2001-04-06
; 2000-04-06
; 2000-04-07
; 2000-06-30
; 2000-09-01
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 2

LENGTH: 10619
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-239-676-2

Query Match 57.7%; Score 1203.2; DB 14; Length 10619;
Best Local Similarity 76.8%; Pred. No. 4.4e-284;
Matches 1600; Conservative 0; Mismatches 463; Indels 19; Gaps 10;
Qy 1 TTTAGGATGATATAGTTGTCAACCCAGAGATGGCATGATCATGCTTTTACCTTGGTCA 60
Db 7504 TTTAAAAATAATAAATATATCAACCCAAAAATAACATAATCATACCTTTTAACCTTAATCA 7445

QY 61 TTCTCTAAGTAAACTTTTATTTGTTCCATCATATTTTCCACTTATTTCTGTTTACCTTCA 120
DB 7444 TTCTCTAATAAATCTTTATTTATTTCCATCATATTTTCCACTTATTTCTATTTACCTTCA 7385
QY 121 AAATATCTTTTTTTTTTTTTTTGAGACAGGTTCACACTGTCCAGGCTAGAGTCCAG 180
DB 7384 AAATATC--TTTTTTTTTTTTTAAACAAAATCACACTATCACCCAAAATAAAATCCAA 7327
QY 181 TGGCACTATATGGCTACACAGGCTCAACCTTCAGGGCTCAGGTGATCTCTCCACTTC 240
DB 7326 TAACACTATATCACTACCAACCTCAACCTTCAAACTCAAAATCAATAATCTCTCCACCTC 7267
QY 241 AGCTCCGAGTGTAGTGGACTACAGGCACTGCCACCAACCCAGACTAAATTTTGTAGA 300
DB 7266 AACCTCCGATTAATAAATCAACACCTTACCAACCCCACTAAATTTTATATAA 7207
QY 301 GACAAGGTTTTGCCATGTTGCCAGGCTGGTCTTGAACCTCTGGGCTCAAGGATCCGGC 360
DB 7206 AAAAAATTTTACCATAATTATCCAACTAACTTTAAACTCTTAACTCAAAAAATCCGAC 7147
QY 361 CACCTCAGCTCCCAAGTGTAGATTTATAGGCATGAGCCACTGTGCCGACCTACCTT 420
DB 7146 CACCTCAACCTCCCAAAATACATAAATTTATAACATAAACCACTATACCCAACTACCTT 7087
QY 421 CAAGTATCTAAGTGTACTAACTTTTAGGATTCGGCTATGCTCAACAACCTTCTTGC 480
DB 7086 CAAGTATCTAAGTGTACTAACTTTTAGGATTCGGCTATGCTCAACAACCTTCTTAC 7027
QY 481 TTACTCAACATCTTGTCTCTTAAGCCACTAGCTTCTTCTCTATGTTTAAACACTTTTTAT 540
DB 7026 TTACTCAACATCTTGTCTCTTAAGCCACTAGCTTCTTCTCTATGTTTAAACACTTTTTAT 6967
QY 541 GAGTTTATCATCTGCTTATTTTCTTATCTCTATACAGAAATGTAATTTTCAAAAT 600
DB 6966 AAATTTTATCATCTACTTATTTTCTTATCTCTATACCAAAATTAATATTTTCAAAAT 6907
QY 601 AAAGCACACTCATGTTCAACTTTTGAATCGAAAAAATAATGCATAGGATTAAGAAAG 660
DB 6906 AAACACACTCATATTAACAATCTTTAAAT--AAAAAATAATATCAATAAATTAATAA 6848
QY 661 AAACCAATTTTAAATAAATAATTTTGAAGTATAGTTCTATATTAACAACAAGATCTAG 720
DB 6847 AAACCAATTTTAAATAAATAATTTTGAAGTATAGTTCTATATTAACAACAAGATCTAG 6788
QY 721 GCGAGTGCAGTGGCTCATGCTGTATCCAGCAATTTGGGAAGTCGAGTGGAGGAT 780
DB 6787 ACCAAATACAATACTCATACCTATAATCCCACAATTTTAAAAAATCGAAAAATAA 6728
QY 781 TGCTTGAGCCGAGGTTTCAAGACAGCTCGGCAACATGGAGATTTCCCATCTCTTT 840
DB 6727 TACTTTAAACCAAAATTTCAAAACCACTTAAACACATAAATAAATAATTTCCCATCTCTTT 6668
QY 841 CTTT-----ACACACACACACACACACACAAAAATCTGTATAGCAACAGGTGCGAG 894
DB 6667 CTTTAC 6608
QY 895 TCATTAACACAAATTTGAGTGTAGTGTATTAATATTTTCTGAGTTATCACCAACAC 954
DB 6607 TCATTAACACAAATTTGAGTGTAGTGTATTAATATTTTCTGAGTTATCACCAACAC 6548
QY 955 TGTAACTTAACATGAACGCTGTGATGACTATTTGCCCAAAAGTACAGGTACTGCTA 1014
DB 6547 TATAAATAAATAAATAAATCTTAAATTAATTTTACCCAAATAATCAATAACTACTA 6488
QY 1015 ATACTCTGTTATTTGTAGT--AAATTCATAATAAAGGAAATCTAGGTTTCAGTTGGTAT 1073
DB 6487 ATACTCTTAATTTATTAATCAATTTCAATTAATAAATAAATAAATAAATAAATAA 6428
QY 1074 TTTGTCCGAGGCTGTGAGGAGGAGTTTGAACGCGCTCCAGCCAGGAGGAGGAGGAG 1133
DB 6427 TTTATCCGAGGATCTATAAACGACAAATTAATAACGCGCTCCAAACCAAAATAAAT 6368

QY 1134 CTAGCACTGCGAGGTCCACTCGCGCCCAATCAACTATATTTCCGAGGGGGGGCGCTCGC 1193
DB 6367 CTAACTACTACAAATCCACCTCGAACCAATCACTATATTTCCGAAACGAAACCG-AC 6309
QY 1194 TTCGCGAACCCAGCTGCGCTCAGGGGAGAGGACACACTTAAGAGTTTGGGGCGCGGT 1253
DB 6308 TTCGCGAACCCAGCTGCGCTCAGGGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 6249
QY 1254 GGTAGCTCATGCGCTGATCCAGCACTTCGGGGGCTGAGCGGTGAAGATCACTTTAG 1313
DB 6248 AATAACATATACCTTAATCCCAACACTTCGAAAACTAAACGTAATAATCACTTATA 6189
QY 1314 CAGAGTTTGAAGACAGCTAGCCAACTTTGGCGAGACCTCTCCCTAAAAAATTTTTT 1373
DB 6188 CAAAAATTTAAACCAATCTAACCACTTAACGAAACCTTATCCCTAAAAAATTTTTT 6129
QY 1374 TTTAATTTAGCCAGTTGTGAGCGCTGTAGTCCAGCTACTCGGGAGGCTGAGGTGG 1433
DB 6128 TTTAATTTAAACCAATTTAATAAAGCTTATATCCCACTACTCGAAAACTTAAAAATAA 6069
QY 1434 AGGATCGCTGGGCTCAGGATTTCCAGACTGCGAGTGCAGTCATGCGCACTGCACCTC 1493
DB 6068 AAAATCGCTAAACTCAAAATTTCCAACTACAATAAACATAATAACGACTACACTCC 6009
QY 1494 AGCGCGTGAAGTCACTCTCAAAATAAAGGGGGGGTGGGGTAAAAATTTAGTTG 1553
DB 6008 AACGGATTAACCTCAATCTCAAAATAAATAAATAAATAAATAAATAAATAAATAA 5949
QY 1554 TGAATCAAGTAAAGTCTTGGGACAGAACAATCAAAAGGGTGGCGCGGTCTCTCAA 1613
DB 5948 TAAATCAATTAATAAATCTCTTAAACCAAAACAATCAAAATAAATAAATAAATAAATAA 5889
QY 1614 AGACTACTAGCTCAGCCCAAGCCGCTCGGCCCGCGGCGGCGGCGGCGGCGGCGG 1673
DB 5888 AAAACTACTAATCAACCAAAACCCGCTCGACCCCA--AACACGACCGCAAACTCC 5830
QY 1674 ACCCGGACGGCGCGGGAATCTCGCCCGCGCGGCGGCGGCGGCGGCGGCGGCGG 1732
DB 5829 ACCCGACAAACCGCGGAAATCTCGCCCGCGGCGGCGGCGGCGGCGGCGGCGGCGG 5770
QY 1733 CCGCCCGGTGACGCGGTTCCGT--GGCGTTCCGCGGCGGCGGCGGCGGCGGCGGCGG 1791
DB 5769 CCGCCCGGTGACGCGGTTCCGTAAACGTTCCGCGGCGGCGGCGGCGGCGGCGGCGG 5710
QY 1792 GGAAGCGGTTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1849
DB 5709 AAAACGAGTAAACGATACGACGTTTTCGATAAGCTCTAACCGCTCAAAACTACGA 5650
QY 1850 CTGGGTGAGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1909
DB 5649 CTAATAACGCGCGGAAACGACGAAACGACAA--CGTATTTCTAATCGTAACGTCG 5593
QY 1910 GGCTTCGAGCTTTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1969
DB 5592 AACTTCGAAACTTTAACGACAACTAAAAAATAAATAAATAAATAAATAAATAAATAA 5533
QY 1970 CGAGTCGAGTACGCAAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 2029
DB 5532 CGAATCGAATACGCAAAACGAAACGCGGCTTTTACAAAAATAAATAAATAAATAAATAA 5473
QY 2030 AAGACTCGCTCCGATGGCCATCATGTGCGAGGTGCGGGCG 2071
DB 5472 AAAAATCGCTCCGAAATAACCATCATATAAATAAATAAATAAATAAATAAATAAATAA 5431

RESULT 7

US-10-311-455-44/c
; Sequence 44, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt

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; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining Cytosine Methylation
; FILE OF INVENTION: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 44
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-44

Query Match          57.7%; Score 1203.2; DB 15; Length 10619;
Best Local Similarity 76.8%; Pred. No. 4.4e-284;
Matches 1600; Conservative 0; Mismatches 463; Indels 19; Gaps 10;

QY 1 TTTAGGGATGATATAGTTGTCAACCCAGAGATGGCATGATCATGCTTTTGACTTTGGTCA 60
DB 7504 TTTAAAAATAATAATATATCAACCCAAAAATAACATAATCATATACCTTTTAACTTAATCA 7445

QY 61 TTCCTAGTAAACTTTATTTATTTGTCATCATATTTTCCACTTATTTGTTTACCTTCA 120
DB 7444 TTCCTAAATAAACTTTATTTATTTTCCATCATATTTTCCACTTATTTTATTTACCTTCA 7385

QY 121 AAATATCTTTTTTTTTTTTTTTTGAGACAGGGTCACTGTCAACCCAGGCTAGAGTCCAG 180
DB 7384 AAATATC--TTTTTTTTTTTTTAAACAAATACATATCACTATCAACCAACTAAATCCAA 7327

QY 181 TGGCATATCATGGCTACCAAGCTCAACCTTCAGGGCTCAGGTGATCTCCCACTTC 240
DB 7326 TAAACATATCACTACCAACCTCAACCTTCAAACTCAAACTCAAACTCAAACTTCTCCACCTC 7267

QY 241 AGCTCCCGAGTAGATGGAGCTAGAGCACTGCGCACCTGCGCACCTGAGCTAAATTTGTAGA 300
DB 7266 AACCTCCCGAATAATAAACTTAAACACTTACCAACCTTACCAACCTTAAATTTTATAAA 7207

QY 301 GACAAAGTTTGGCCATGTTGTCAGGCTGGTCTTCAACTCTCGGCTCAAGGGATCCGGC 360
DB 7206 AACAAATTTTACCATATATTCAAACTAACTTAACTTAACTTAACTTAACTTAACTTAACT 7147

QY 361 CACCTCAGCTCCCAAGTGTAGGATATATAGGCATAGCCACTGTGCCCAGCTTACCTT 420
DB 7146 CACCTCAACCTCCCAAAATACTTAAATTTATAACATAAACCACTATACCAAGCTTACCTT 7087

QY 421 CAACGTATCTAAGTGTACTAACTTTTAGGATTCGGGCTATGCTCAACCTTCTTGC 480
DB 7086 CAACGTATCTAAGTGTACTAACTTTTAAATTCGACCTATATCTCAACCTTCTTAC 7027

QY 481 TTACTCAACATCTTGTCTTTAAGCCACTAGTCTTCTCTATGGTTAACTTTTAT 540
DB 7026 TTACTCAACATCTTATCTCTTAAACCACTAACTTCTCTTATTAATTAACACTTTTAT 6967

QY 541 GAGTTTATTCATCTGCTTATTTTCTTATCTCTATACAGAAATTTGAATTTTCAAT 600
DB 6966 AAATTTTATTCATCTTATTTTCTTATCTCTATACCAAAATTTAAATTTTCAAT 6907

QY 601 AAAGCACACTCATGTTACATCTTTGAAATGGAAAAAATAATGATAGGATAGAAAAAG 660
DB 6906 AAAACACACTCATATTAACAATCTTTTAAAT-AAAAAATAAATAATATATAAATAAATAA 6848

QY 661 AAACCAATTTTAACTATATTTTGAAGTATAGTCTTATATTAACAAACAAAGATCTAG 720
DB 6847 AAACCAATTTTAACTATATTTTAAATAATAATTTCTATATTAACAAACAAATACTAA 6789

QY 721 GCCAGGTGAGTGGCTCATGCTGTAATCCCAAGCAATTTGGGAAGTCGAGGTGGAGGAT 780
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DB 6787 ACCAAATACAATAAATCTCATCTATAATCCCAACAATTTTAAAAATCGAAAAAT 6728
QY 781 TGTCTTGGCCAGGGTTCAGAGCCAGCTGGGAAATGAGAGATTTCCCATCTCTTT 840
DB 6727 TACTTAAACCAAAATTTCAAAACCAACCTTAAACCAACATAAAATTTCCCATCTCTTT 6668
QY 841 CTTT-----ACACACACACACACACACACACACACACACACACACACACACACACAC 894
DB 6667 CTTTACACACACACACACACACACACACACACACACACACACACACACACACACACACAC 6608
QY 895 TCATTACACAAATTTTCAGTAGTAGTATTAATATTTTCGAGTTTATCACCACACAC 954
DB 6607 TCATTACCAAAATTTTCGAATAATAATAAACTTTAAATATTTTCGAATTTATCACCACAC 6548
QY 955 TGTAAACTTAACATGAAACGCTGTGATGACTATTGCCCCCAACAACTCACAGGTACTGCTA 1014
DB 6547 TATTAATAATCAATAAAACGCTATATAACTATTATCCCAACAAATCACAATATCTACTA 6488
QY 1015 ATACTCTCTGTTATTTGTAGT-AAATTCATAATAAAGAAATGCTAGTTTTCAGTTTGGTAT 1073
DB 6487 ATACTCTCTTAAATTTATAATCAAAATTTCAATAAAAAAATACTATAATTTTCAATTAAT 6428
QY 1074 TTTGTCCCGACGGTCTGTGGACGCGAGGTTAGAACGCGCTCCAAAGCCAGGAGGTGGAC 1133
DB 6427 TTTATCCCGACGATCTATAAAACGAATTTAAACGCGCGCTCCAAACCAAAATAAATAC 6368
QY 1134 CTAGCACTGCAAGGTTCCACCTCGGCGCAATCAACTATATTTCCCGAGGGGGGCGCTCGCC 1193
DB 6367 CTAACTACAAATTCACCTCGAACCAATCACTATATTTCCGAAACGAAACCGC-AC 6309
QY 1194 TTCCGGACCCAGCTGCGCTCAGGGGAGAGGACACACTTTAAGAGTTTGGGGCGGGCT 1253
DB 6308 TTCCGAAACCACTTACCTCAAAAAAATAAACAACACTTTAAATAATTTTAAACCGACGT 6249
QY 1254 GGTAGCTATGCTCCCTGATCCAGCACTTCGGAGGCTGAGCGCTGAAGATCACTTTGAT 1313
DB 6248 AATAACACATACCTTATCCCAACACTTCGAAAAACTTAAACCGTAAAAATCACTTATAA 6189
QY 1314 CAGAGATTTGAGACAGCTTAGCCAACTTTGCGAGACCTGTCCCTTAAAAAATAATTTT 1373
DB 6188 CAAAAATTTTAAACCAATCTAACCAACTTAAAGAACCTTATCCCTTAAAAAATAATTTT 6129
QY 1374 TTTAATTAGCCAGTTGTGTGAGCGCTGTAGTCCCAGCTACTCGGGAGGCTGAGGTGG 1433
DB 6128 TTTAATTAACCAATTTATAATAAAGCCTTATATCCCACTACTCGAAAACTTAAATAA 6069
QY 1434 AGGATCGCTGGCTCAGAGTTCCAGACTGCGAGTGGCCATGATGGCGGCACTGCACCTC 1493
DB 6068 AAAATCGCTAAACTCAAAAATTTCCAAACTTACAATAAACCAATAAATACGACACTACCTC 6009
QY 1494 AGCGGGTGGAGCTCAGTCTCAAAAATAAAGGGGGGGTGGGGTAAAAATTTAGTTG 1553
DB 6008 AACCGATAAAACTCAATCTCAAAAATAAAGGGGGGGTGGGGTAAAAATTTAAATTA 5949
QY 1554 TGAATCAAGTAAAGTCTTCTGGGACAGAACTCAAAAGGGGGTGGCGGGCTCTCCAA 1613
DB 5948 TAAATCAATTAATCTTCTTAAACAAACAACTCAAAAATAAATACCGGATCTCTCCAA 5889
QY 1614 AGAGTACTAGCTAGCCCAAGCCCGCTCGGCCCCCAGGGGCGGCGGCGAGAGTCC 1673
DB 5888 AAAACTACTAATCAACCAAAACCCCGCTCGACCCCA-AACAACGACCGCAAACTCC 5830
QY 1674 ACCGGGAGCGCGGGGAACTCGCCCCCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1732
DB 5829 ACCGACAAACCGCGGAAAACTCGCCCCCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 5770
QY 1733 CCGCCCCGTGACGCGGGTTCGGT-GGGTTCGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1791
DB 5769 CCGCCCCGTAAACGGGAATTCGGTAAACGTTCCCGGACCAACATCAACAATCTATCAA 5710
QY 1792 GGAAACGGCGGTGGCGGTGGCGGTTCGGT--GCGCTCTGGCGGCTGAGCGGTGGCGG 1849
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5709	AAAACGACGATTAACCGATACGACGTATTTCGATTAACGACTCTAACCGCTCAAAACATACGA	5650
Db		
1850	CTGGGTGAGCGCACGCGAGGCGGCGAGCGCGCAAGCGTGTTTCTTAGTCTGTCGGGCTCG	1909
Qy		
5649	CTAAATAAACGACGCGAAACGACGAAACGACAA--CGTATTCTTAAATCGTAAACGTCG	5593
Db		
1910	GGCTTCCGGAGCTTTGGCGGCGAGCTAGGGGAGGATGGCGGAGTCTTCGGATAAGCTCTAT	1969
Qy		
5592	AACCTTCGGAACCTTTAACGACCAACTAAAAAAAATAACGAAATCTTCGGAATAAATCTAT	5533
Db		
1970	CGAGTCGAGTAGCGCCAAAGCGGGCGGCGCTCTTTCGAAAGAAATCGACGAGAGCATCCCC	2029
Qy		
5532	CGAATCGAATAACCCCAAAACGAACGCGCTCTTACAAAAAATACAAACGAAACATCCCC	5473
Db		
2030	AAGGACTCGCTCCGGATGGCCATCATGGTGCAGGTGCGGGCC	2071
Qy		
5472	AAAACCTCGCTCCGGAATAACCATCATATAATCAAAATACGAACC	5431
Db		

RESULT 8

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US-10-240-453-2/c
; Sequence 2, Application US/10240453
; Publication No. US20030148326A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA
; TITLE OF INVENTION: Transcription
; TITLE OF INVENTION: by Means of Assessing the Methylation Status of Genes Associated
; TITLE OF INVENTION: With DNA Transcription
; FILE REFERENCE: 5013.1009
; CURRENT APPLICATION NUMBER: US/10/240,453
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03973
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 350
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-453-2

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	Query Match	57.7%	Score 1203.2	DB 15	Length 10619	
	Best Local Similarity	76.8%	Pred. No. 4.4e-284			
	Matches 1600	Conservative	0	Mismatches 463	Indels 19	Gaps 10
Qy	1	TTTTAGGATCATATAGTTGTCAACCCAGACATGGCATGATCGCTCTTTTGACTTGGTCA	60			
Db	7504	TTTAAANAATATATATATCAACCCAAAATAACATATCATACCTTTTAATCTTAATCA	7445			
Qy	61	TTCTCTAAGTAAACCTTTTATTTGTTCATCATATTTTCCACTTATTCGTTTACCTTCA	120			
Db	7444	TTCTCTAAATAAAACCTTTTATTTATTCATCATATTTTCCACTTATTCATTTACCTTCA	7385			
Qy	121	AAATATCTTTTTTTTTTTTTTTTGAGACGGGTACACCTGTCACCCAGGCTACAGTCCAG	180			
Db	7384	AAATATC - - TTTTTTTTTTTTTTTTAAACAANAATCACTATACCCAAACTAAAATCCAA	7327			
Qy	181	TGGCACTATCATGGCTCACACAGCCTCAACCTTCAGGGCTCAGGTGATCCTCCCACTTC	240			
Db	7326	TAAACATTCATTAACCTCACACACCTTCAACCTTCAAACTCAAAATATCCTCCCACTC	7267			

Qy		241	AGCTCCCGAGTAGATGGGACACTACAGGCACCTTGCCACACACCCCGACGTAAATTTTGTAGA	300
Db		7266	AACCTCCGGAATAAATAAAACCTACAACACCACTACCACCAACCCGCCAACCTAAATTTTATAAA	7207
Qy		301	GACAAGGTTTTGCCATGTTGTCCAGGCTGGTCTTGAACTCCTGGGCTCAAGGATCGGC	360
Db		7206	AACAAAATTTTACCATATATTATCCAAACTAATCTTAAACTCCTTAACCTCAAANAATCCGAC	7147
Qy		361	CACCTCAGCCTCCCAAAGTGTAGGATATPAGGCATGAGCACCTGTGCCAGCCTACCTT	420
Db		7146	CACCTCACTCCCAAAATACATAAAATTAACAATACCACTATATCCCAACCTACCTT	7087
Qy		421	CAACGTAATCACTGGTTACTAACTTTTAGGATTCGGCCTATGTCTCACAACTTCTTGC	480
Db		7086	CAACGTAATCACTAATTTACTAACTTTTAAATTCGACCTATATCTCACAACTTCTTAC	7027
Qy		481	TTACTCAACATCCTTGCTCTCTTAAGCACCTAGCTTCTTCTCTATGGTTAACACTTTTAT	540
Db		7026	TTACTCAACATCCTTATCTCTTAAACCACTAACTTCTCTCTATAATTAACACTTTTAT	6967
Qy		541	GAGTTTTATTTCATCTGCTTATTTTCTTATCCTCTATACAGAAATGAATATTTTCAAAT	600
Db		6966	AAATTTTATTTCATCTACTTATTTTCTTATCCTCTATACAAAATTAATATTTTCAAAT	6907
Qy		601	AAAGCACACTCATPTTACAATCTTTGAAATGGAAAAAATAATGCTAGGATPAGAAAAG	660
Db		6906	AAACACACTCATATTACAATCTTTAAAT - AAAAAAAAAAATACATAAATTTAAAAAAA	6848
Qy		661	AAACCAATTTTAATAACTATATTTTGAAGTATAGTTCTATATTAACAACAGATCTAG	720
Db		6847	AAACCAATTTTAATAAATATATTTTAAATATAATTTCTATATTAACAACAAAAATCTAA	6788
Qy		721	GCCAGGTGCAGTGGCTCATGCGCTGTAATCCCAGCAATTTGGGAAGTCGAGGTGGGAGGAT	780
Db		6787	ACCAATACAAATCTCATCTTAATCCCAACAATTTAAAAAATCGAAATTAAAAAAT	6728
Qy		781	TGCTTGAGGCGAGGGGTTCAAAGCCAGCCTGGGCACATGGAGAGATTCGCCATCTCTTT	840
Db		6727	TACTTAAACCAAAAATTTCAAACCAACCTAAACAACATAAAAAATTTCCCCATCTCTTT	6668
Qy		841	CTTT-----ACACACACACACACACACACAAAAATATCTGATAGCAACGGTGCAG	894
Db		6667	CTTTTACACACACACACACACACACACACAAAAATATCTTAATAACAACAAATFACTA	6608
Qy		895	TCATTACCACAAATTCGAGTAGTAGTGAGCTTAATAATATTTTCGAGTTATCACCAACAAC	954
Db		6607	TCATTACCACAAATTCGAATAATAATAAATTAATAATTTTCGAATATTCACCAACAAC	6548
Qy		955	TGTAATACTAACATGAAAAAGCTGTGATGACTATTGCCCAACAAAGTCACAGGTACTGCTA	1014
Db		6547	TATAAATAACATAAAAAAGCTCTATAATAACTATTATACCCACAAAAATCACAAATFACTA	6488
Qy		1015	ATACTCCTGGTATTTGTAGT - AAATTCATAATAAAGGAAAATGCTAGGTTTCAGTTGGTAT	1073
Db		6487	ATACTCCTTAATTTTATAATCAAAATTCATAATAAAAAAATAATCTAAATTTTCAATTAAT	6428
Qy		1074	TTTGTCCCGACGGTCTGTGAGCGGAGGTTAGAACGCCGTCCAAGCCAGGAGGGTGGAC	1133
Db		6427	TTTATCCCGACGATCTATAAACGACAAAATTAACACGCCGTCCNAACCAAAAAATAAAC	6368
Qy		1134	CTAGCACTCGAGGGTCCACCTCGGGCCAATCAACTATATTTCCGAGGCGGGGCGCTCGCG	1193
Db		6367	CTAACACTCAAAAATCCACCTCGAACCAATCAACTATATTTCCGAAAAACGAAACCCG - AC	6309
Qy		1194	TTCCCGGACCCAGCTGCCCTCAGGGGAGAGAGACACTTAAGAGTTTGGGGCCGGCGT	1253
Db		6308	TTCCCGAAACCACTACTCCCTCAAAAAAATAAACACACTTAAAAATTTTAAAAACCGACGT	6249
Qy		1254	GGTAGTCTATGCCCTTGATCCAGCACTTCGGGAGGCTGAGGCGTCAAGATCACTTTGTAG	1313
Db		6248	AATAACACATACCCCTTAATCCCNACACTTCGAAAAAATACTAAACGTAANAATCACTTATA	6189
Qy		1314	CAGGAGTTTGGAGACCACTGTAGCCAACTTTGGCGAGACCTGTGCTCCCTAAAAAATAATTTT	1373

[illegible]

Qy	1970	CGAGTCGAGTACGCCAAGAGCGGGCGGCTCTTTCGAAAGAAATTCGACGAGAGCATCCCC	2020
Db	5532	CGAATCGAATACGCGCAAAAGAGCGGCGCTCTTACAAAAAATACAAACGAAAAACATCCCC	5473
Qy	2030	AAGGACTCGCTCCGATGGCCATCATGGTCGAGTCCGGGCC	2071
Db	5472	AAAACTCGCTCCGAATAACCATCATANTACAAATACGAACC	5431
RESULT 10			
US-10-027-632-154183			
; Sequence 154183, Application US/10027632			
; Publication No. US20020198371A1			
; GENERAL INFORMATION:			
; APPLICANT: Wang, David G.			
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide			
; TITLE OF INVENTION: Polymorphisms in the Human Genome			
; FILE REFERENCE: 108827.129			
; CURRENT APPLICATION NUMBER: US/10/027,632			
; CURRENT FILING DATE: 2002-04-30			
; PRIOR APPLICATION NUMBER: US 60/218,006			
; PRIOR FILING DATE: 2000-07-12			
; PRIOR APPLICATION NUMBER: US 60/198,676			
; PRIOR FILING DATE: 2000-04-20			
; PRIOR APPLICATION NUMBER: US 60/193,483			
; PRIOR FILING DATE: 2000-03-29			
; PRIOR APPLICATION NUMBER: US 60/185,218			
; PRIOR FILING DATE: 2000-02-24			
; PRIOR APPLICATION NUMBER: US 60/167,363			
; PRIOR FILING DATE: 1999-11-23			
; PRIOR APPLICATION NUMBER: US 60/156,358			
; PRIOR FILING DATE: 1999-09-28			
; PRIOR APPLICATION NUMBER: US 60/146,002			
; PRIOR FILING DATE: 1999-08-09			
; NUMBER OF SEQ ID NOS: 325720			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 154183			
; LENGTH: 844			
; TYPE: DNA			
; ORGANISM: Human			
US-10-027-632-154183			
Query Match 33.5%; Score 699.4; DB 13; Length 844;			
Best Local Similarity 96.6%; Pred. No. 5e-161;			
Matches 822; Conservative 1; Mismatches 12; Indels 16; Gaps 10;			
Qy	1207	CTGCGCCTCAGGGAGAGAGACACACTTAAGAGTTTGGGGCGGCGTGGTAGCTCATGCC	1266
Db	1	CTGCGCCTCAGGGAGAGAGACACACTTAAGAGTTTGGGGCGGCGTGGTAGCTCATGCC	60
Qy	1267	CTGTATCCCAGCACTTCGGAGGCTGAGCGTGAAAGATCACTTTGTAGCAGGAGTTTGAGA	1326
Db	61	CTGTATCCCAGCACTTCGGAGGCTGAGCGTGAAAGATCACTTTGTAGCAGGAGTTTGAGA	120
Qy	1327	CCAGTCTAGCCAACTTGGCGAGACCCCTGTCCTTAAAAAAAATTTTTTTTAAATTAGCCAG	1386
Db	121	CCAGTCTAGCCAACTTGGCGAGACCCCTGTCCTTAAAAAAAATTTTTTTTAAATTAGCCAG	180
Qy	1387	TTGTGTTGAGCGCTGTAGTCCAGCTACTTCGGGAGGCTGAGGTGGGAGGATCGCTGGGC	1446
Db	181	TTGTGTTGAGCGCTGTAGTCCAGCTACTTCGGGAGGCTGAGGTGGGAGGATCGCTGGGC	240
Qy	1447	TCAGGAGTTCCAGACTGCACTGAGCCATGATGCGGCACTGCACTCCAGCGCGTGAGAC	1506
Db	241	TCAGGAGTTCCAGACTGCACTGAGCCATGATGCGGCACTGCACTCCAGCGCGTGAGAC	300
Qy	1507	TCAGTCTCAAAAATAAAGCGGGAGGGTTGGGGGTAAAAATTAGTTGTGAAATCAAGTAA	1566
Db	301	TCAGTCTCAAAAATAAAGCGGGAGGGTTGGGGGTAAAAATTAGTTGTGAAATCAAGTAA	360
Qy	1567	GACTTCTCTGGGACAGAAACAATCAAGAGGGTGGCGCGGCTCTCCAAAGAGCTACTAGCT	1626

Db 361 GACTTCCTGGGACAGCAATCAAAAGGGGTGGCGCCGGGTCTCCAAAGAGCTACTAGCT 420
Qy 1627 CAGCCAAAGCCCGCTCGGCGCCCGCAGGCGACGGG-CGCGAGAGCTCCACCCGGCAGGCG 1685
Db 421 CAGCCAAAGCCCGCTCGGCGCCCGCAGGCGACGGGCGCAGAGCTCCACCCGGCAGGCG 480
Qy 1686 CCCGGGAACTCCGCGCCCGCGCGCGGCGAGGGCGCGCG---CCGCGCGCGCGCGCGCGTG 1742
Db 481 CCCGGGAACTCCGCGCCCGCGCGCGGCGAGGGGCGCGCGCGCGCGCGCGCGCGCGTG 540
Qy 1743 GACGGGGTTCGGT-GGCGTTCCTCCGCGCGCAGGCAATCAGCAATCTATCAGGGAACGGCGG 1801
Db 541 GACGGGGTTCGGTGGGGTTCCTCCGCGCGCAGGCAATCAGCAATCTATCAGGGAACGGCGG 600
Qy 1802 TGGCGGGTCCGGCGCTGTTCCGCGT-CGCTCTGGCGCGCTCAGCG-TGGCGGGTGGGTGAG 1858
Db 601 TGGCGGGTCCGGCGCTGTTCCGCGTGGCGCTCTGGCGCGCTCAGGCGCTCGGGTGGTGA 660
Qy 1859 CGACGCGAGGCGGCGGCGGCGCAAGCGTGTGTTCTAGGTGCTGGCGCTCGGGTTCGGG 1918
Db 661 CGACGCGAGGCGGCGGCGGCGCA---CGGTGTTTCTAGGTGCTGGCGCTCGGGCTT-CGG 716
Qy 1919 AGCTTTGGCGCAGCTAGGCGAGGATGCGGAGTCTTCGGATAAGCTCTATCGAGTCCAG 1978
Db 717 AGCTTTGGCGCAGCTAGGCGAGGATGCGGAGTTCGGATAAGCTCTATCGAGTCCAG 775
Qy 1979 TACGCAAGAGCGGCGCGCGCTTTCGCAAGAAATCAGCAGAGCATCCCAAGAGCTCG 2038
Db 776 TACGCAAGAGCGGCGCGCGCTTTCGCA---GATTCAGGAGAGCATCCCC-AGGACTCG 832
Qy 2039 CTCGGATGGC 2049
Db 833 CTCGGATGCC 843

RESULT 11

US-10-027-632-154183
; Sequence 154183, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 154183
; LENGTH: 844
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-154183

Query Match 33.5%; Score 699.4; DB 17; Length 844;
Best Local Similarity 96.6%; Pred. No. 5e-161;
Matches 822; Conservative 1; Mismatches 12; Indels 16; Gaps 10;
Qy 1207 CTGCCCTCAGGCGAGAGGACACACTTAAGAGTTTGGGCGCGGTGTAGCTCATGCC 1266

Db 1 CTGCCCTCAGGCGAGAGGACACACTTAAGAGTTTGGGCGCGGTGTAGCTCATGCC 60
Qy 1267 CTGATCCAGCAGCTTCGGGAGGCTGAGCGTGAAGATCACTTGTAGCAGAGTTTGAGA 1326
Db 61 CTGATCCAGCAGCTTCGGGAGGCTGAGCGTGAAGATCACTTGTAGCAGAGTTTGAGA 120
Qy 1327 CAGCTTAGCACAATTGGCGAGACCCCTCTCCCTAAAAAATTTTTTTTAAATAGCCAG 1386
Db 121 CAGCTTAGCACAATTGGCGAGACCCCTCTCCCTAAAAAATTTTTTTTAAATAGCCAG 180
Qy 1387 TTGTGGTGAAGCGCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGGAGGATCCGCTGGCG 1446
Db 181 TTGTGGTGAAGCGCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGGAGGATCCGCTGGCG 240
Qy 1447 TCAGGAGTTCAGAGCTGAGCTGAGCATGATGGCGGCACTGCACCTCCAGCGCGGTGAGAC 1506
Db 241 TCAGGAGTTCAGAGCTGAGCTGAGCATGATGGCGGCACTGCACCTCCAGCGCGGTGAGAC 300
Qy 1507 TCAGCTCAAAAAATAAAAGGGGAGGGTTCGGGGTAAAAATTTAGTTGTGAATCAAGTAA 1566
Db 301 TCAGCTCAAAAAATAAAAGGGGAGGGTTCGGGGTAAAAATTTAGTTGTGAATCAAGTAA 360
Qy 1567 GACTTCTGGGACAGCAATCAAAAGGGTTCGGCGCGGCTCTCCAAAGAGCTACTAGCT 1626
Db 361 GACTTCTGGGACAGCAATCAAAAGGGTTCGGCGCGGCTCTCCAAAGAGCTACTAGCT 420
Qy 1627 CAGCCAAAGCCCGCTCGGCGCCCGCAGGCGACGGG-CGCGAGAGCTCCACCCGGCAGGCG 1685
Db 421 CAGCCAAAGCCCGCTCGGCGCCCGCAGGCGACGGGCGCGAGAGCTCCACCCGGCAGGCG 480
Qy 1686 CCGGGAAACTCCGCGCCCGCGCGGCGAGGGCGCGCG---CCGCGCGCGCGCGCGCGTG 1742
Db 481 CCGGGAAACTCCGCGCCCGCGCGGCGGCGCGCGCGCGCGCGCGCGCGCGCGTG 540
Qy 1743 GACGGGGTTCGGT-GGCGTTCCTCCGCGCGCAGGCAATCAGCAATCTATCAGGGAACGGCGG 1801
Db 541 GACGGGGTTCGGTGGGGTTCCTCCGCGCGCAGGCAATCAGCAATCTATCAGGGAACGGCGG 600
Qy 1802 TGGCGGGTGGCGCGCTGTTCCGCGT-CGCTCTGGCGCGCTCAGCG-TGGCGGTGGGTGAG 1858
Db 601 TGGCGGGTGGCGCGCTGTTCCGCGTGGCGCTCTGGCGCGCTCAGGCGCGCTCGGGTGGTGA 660
Qy 1859 CGCAGCGAGGCGGCGGCGGCGAGCGTGTGTTTCTAGGTGCTGGCGCTCGGGCTTCGGG 1918
Db 661 CGCAGCGAGGCGGCGGCGGCGCGCA---CGGTGTTTCTAGGTGCTGGCGCTCGGGCTT-CGG 716
Qy 1919 AGCTTTGGCGCAGCTAGGCGAGGATGCGGAGTTCGGATAAGCTCTATCGAGTCCAG 1978
Db 717 AGCTTTGGCGCAGCTAGGCGAGGATGCGGAGTTCGGATAAGCTCTATCGAGTCCAG 775
Qy 1979 TACGCAAGAGCGGCGCGCGCTTTCGCAAGAAATCAGCAGAGCATCCCAAGAGCTCG 2038
Db 776 TACGCAAGAGCGGCGCGCGCTTTCGCA---GATTCAGGAGAGCATCCCC-AGGACTCG 832
Qy 2039 CTCGGATGGC 2049
Db 833 CTCGGATGCC 843

RESULT 12

US-09-960-253-107
; Sequence 107, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960,253
; CURRENT FILING DATE: 2001-09-20

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; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 107
; LENGTH: 665
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-960-253-107

Query Match      12.7%; Score 265.4; DB 9; Length 665;
Best Local Similarity 97.2%; Pred. No. 1.5e-54;
Matches 281; Conservative 0; Mismatches 6; Indels 2; Gaps 1;

Qy 1778 CAGCAATCTATCAGGGAACGGCGGTGGCGGCTGCGCGCTGTTCCGTGCGCTCTGCGCCCT 1837
Db 1 CAGCAATCTATCAGGGAACGGCGGTGGCGGCTGCGCGCTGTTCCGTGCGCTCTGCGCCCT 60

Qy 1838 CAGCGGTGGCGGTGGGTGAGCGCACGCGAGCGCGGCGGCGCAAGCGTGTGTTCTAG 1897
Db 61 CAGGCGGTGGCGGTGGGTGAGCGCACGCGAGCGCGGCGGCGCAAGC--GTGTTCTAG 118

Qy 1898 GTCGTGGCGTGGCGTTCGGAGCTTTCGGCGGACGTAGGGGAGATGGCGAGTCTTCG 1957
Db 119 GTCGTGGCGTGGCGTTCGGAGCTTTCGGCGGACGTAGGGGAGATGGCGAGTCTTCG 178

Qy 1958 GATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCGCTCTTTCGAAGAAATGCAGC 2017
Db 179 GATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCGCTCTTTCGAAGAAATGCAGC 238

Qy 2018 GAGAGCATCCCCAAGGACTCGCTCCGGATGCCATCATGTTGTCAGGTGC 2066
Db 239 GAGAGCATCCCCAAGGACTCGCTCCGGATGCCATCATGTTGTCAGGTGC 287

RESULT 13
US-09-864-864-300
; Sequence 300, Application US/09864864
; Patent No. US20020102679A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Dillon, Devin C.
; APPLICANT: Secrist, Heather
; APPLICANT: Lodes, Michael J.
; APPLICANT: Algate, Paul A.
; APPLICANT: Fling, Steve P.
; APPLICANT: Mannion, Jane
; APPLICANT: Benson, Darin R.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.523
; CURRENT APPLICATION NUMBER: US/09/864,864
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 341
; SOFTWARE: Corixa Invention Disclosure Database
; SEQ ID NO 300
; LENGTH: 3859
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-864-864-300
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Query Match      12.5%; Score 261.4; DB 9; Length 3859;
Best Local Similarity 97.2%; Pred. No. 3.6e-53;
Matches 277; Conservative 0; Mismatches 6; Indels 2; Gaps 1;

Qy 1782 AATCTATCAGGAACGGCGGTGGCGGCTGCGCGTGTTCGGTGGCTCTGCGCGCTCAGC 1841
Db 1 AATCTATCAGGAACGGCGGTGGCGGCTGCGCGTGTTCGGTGGCTCTGCGCGCTCAGC 60

Qy 1842 CGTGGCGGTGGGTGAGCGCACGCGAGCGCGGCGGCAAGCGTGTGTTCTAGGTGC 1901
Db 61 CCGTGGCGGTGGGTGAGCGCACGCGAGCGCGGCGGCAAGC--GTGTTCTAGGTGC 118
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Qy 1902 TGGCGTCGGGCTTCGGAGCTTTGGCGGACGTAGGGAGGATGGCGAGTCTTCGGATA 1961
Db 119 TGGCGTCGGGCTTCGGAGCTTTGGCGGACGTAGGGAGGATGGCGAGTCTTCGGATA 178

Qy 1962 AGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCGCTCTTTCGAAGAAATGCAGCGAGA 2021
Db 179 AGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCGCTCTTTCGAAGAAATGCAGCGAGA 238

Qy 2022 GCATCCCCAAGGACTCGCTCCGGATGCCATCATGTTGTCAGGTGC 2066
Db 239 GCATCCCCAAGGACTCGCTCCGGATGCCATCATGTTGTCAGGTGC 283

RESULT 14
US-10-097-340-3
; Sequence 3, Application US/10097340
; Publication No. US20030087250A1
; GENERAL INFORMATION:
; APPLICANT: John MONAHAN
; APPLICANT: Manjula GANNAVAPU
; APPLICANT: Sebastian HOERSCH
; APPLICANT: Shubhangi KAMATKAR
; APPLICANT: Steve G. KOVATS
; APPLICANT: Rachel E. MEYERS
; APPLICANT: Michael MORRISEY
; APPLICANT: Peter OLANDT
; APPLICANT: Ami SEN
; APPLICANT: Peter VEIBY
; APPLICANT: Gordon B. MILLS
; APPLICANT: Robert C. BAST, Jr.
; APPLICANT: Karen LU
; APPLICANT: Rosemarie SCHMANDT
; APPLICANT: Xumel ZHAO
; APPLICANT: Karen GLATT
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
; FILE REFERENCE: MRI-030
; CURRENT APPLICATION NUMBER: US/10/097,340
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324,967
; PRIOR FILING DATE: 2001/09/26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 3859
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-097-340-3
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Query Match      12.5%; Score 261.4; DB 14; Length 3859;
Best Local Similarity 97.2%; Pred. No. 3.6e-53;
Matches 277; Conservative 0; Mismatches 6; Indels 2; Gaps 1;

Qy 1782 AATCTATCAGGAACGGCGGTGGCGGCTGCGCGTGTTCGGTGGCTCTGCGCGCTCAGC 1841
Db 1 AATCTATCAGGAACGGCGGTGGCGGCTGCGCGTGTTCGGTGGCTCTGCGCGCTCAGC 60

Qy 1842 CGTGGCGGTGGGTGAGCGCACGCGAGCGCGGCGGCAAGCGTGTGTTCTAGGTGC 1901
Db 61 CCGTGGCGGTGGGTGAGCGCACGCGAGCGCGGCGGCAAGC--GTGTTCTAGGTGC 118
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Gapop 60.0 , Gapext 60.0

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5: /cgn2_6/prodata/1/ina/PCTUS COMB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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2	175	8.4	3747	1	US-08-044-618-5
3	120	5.8	3045	4	US-09-596-248D-24
4	73	3.5	3792	3	US-08-860-886-1
5	71	3.4	3200	4	US-09-596-248D-46
6	64	3.1	5345	1	US-08-044-618-7
7	50	2.4	8848	4	US-09-949-016-14854
8	46	2.2	601	4	US-09-949-016-178057
9	46	2.2	601	4	US-09-949-016-178058
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11	46	2.2	98302	4	US-09-949-016-16847
12	46	2.2	114426	4	US-09-949-016-15078
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15	45	2.2	123	4	US-09-513-999C-29990
16	45	2.2	2181	2	US-08-737-371A-1
17	45	2.2	2181	5	PCT-US95-05853-1
18	45	2.2	46253	4	US-09-949-016-11890
19	45	2.2	46257	4	US-09-949-016-13711
20	45	2.2	194889	4	US-09-949-016-15654
21	44	2.1	24204	4	US-09-949-016-16232
22	44	2.1	77626	4	US-09-949-016-12608
23	44	2.1	112623	4	US-09-949-016-14374
24	43	2.1	601	4	US-09-949-016-18032
25	43	2.1	601	4	US-09-949-016-18033
26	43	2.1	601	4	US-09-949-016-14922
27	43	2.1	601	4	US-09-949-016-161292

28	43	2.1	601	4	US-09-949-016-161293	Sequence 161293,
29	43	2.1	2252	4	US-09-949-016-4519	Sequence 4519, Ap
30	43	2.1	2273	4	US-09-949-016-19	Sequence 19, Appl
31	43	2.1	8905	4	US-09-949-016-11761	Sequence 11761, A
32	43	2.1	8907	4	US-09-949-016-16261	Sequence 16261, A
33	43	2.1	113042	4	US-09-949-016-12343	Sequence 12343, A
34	43	2.1	113042	4	US-09-949-016-15246	Sequence 15246, A
35	43	2.1	152145	4	US-09-949-016-12371	Sequence 12371, A
36	43	2.1	152145	4	US-09-949-016-12371	Sequence 12371, A
37	43	2.1	177251	4	US-09-949-016-15841	Sequence 15841, A
38	42	2.0	601	4	US-09-949-016-199479	Sequence 199479,
39	42	2.0	1638	4	US-09-620-312D-810	Sequence 810, App
40	42	2.0	16738	4	US-09-949-016-12168	Sequence 12168, A
41	42	2.0	16738	4	US-09-949-016-14678	Sequence 14678, A
42	42	2.0	35609	4	US-09-949-016-17370	Sequence 17370, A
43	42	2.0	38206	4	US-09-949-016-15527	Sequence 15527, A
44	42	2.0	40493	4	US-09-949-016-15453	Sequence 15453, A
45	42	2.0	41863	4	US-09-949-016-14948	Sequence 14948, A

ALIGNMENTS

RESULT 1
US-09-517-467B-3
; Sequence 3, Application US/09517467B
; Patent No. 6451602
; GENERAL INFORMATION:
; APPLICANT: Ian Popoff
; APPLICANT: Lex M. Cowseert
; TITLE OF INVENTION: ANTISENSE MODULATION OF PARP EXPRESSION
; FILE REFERENCE: RTS-0150
; CURRENT APPLICATION NUMBER: US/09/517,467B
; CURRENT FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 09/517,467
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 345
; SEQ ID NO 3
; LENGTH: 3660
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (160)...(3204)
US-09-517-467B-3

Query Match	8.4%	Score 175;	DB 3;	Length 3660;
Best Local Similarity	100.0%	Pred. No. 6e-59;	Mismatches 0;	Indels 0;
Matches 175;	Conservative 0;	0;	Gaps 0;	0;
QY	1888	GTGTTTCTAGGTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGCG	1947	
Db	105	GTGTTTCTAGGTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGCG	164	
QY	1948	GAAGTCTTCGGTAAGCTTATCGAGTCGAGTACGCAAGAGCGGCGGCTCTTGCAA	2007	
Db	165	CGAGTCTTCGGTAAGCTTATCGAGTCGAGTACGCAAGAGCGGCGGCTCTTGCAA	224	
QY	2008	GAATGTCGAGGAGCATCCCAAGGACTCGCTCCGATGGCCATCATGTGCAG	2062	
Db	225	GAATGTCGAGGAGCATCCCAAGGACTCGCTCCGATGGCCATCATGTGCAG	279	

RESULT 2
US-08-044-618-5
; Sequence 5, Application US/08044618
; Patent No. 5449605
; GENERAL INFORMATION:
; APPLICANT: SMULSON, MARK
; TITLE OF INVENTION: METHOD OR DETECTING A PREDISPOSITION TO
; TITLE OF INVENTION: CANCER BY THE USED OF RESTRICTION FRAGMENT LENGTH
; TITLE OF INVENTION: POLYMORPHISM OF THE GENE FOR THE HUMAN POLY (ADP-RIBOSE)
; TITLE OF INVENTION: POLYMERASE

```
;
;
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Suite 300
; CITY: Washington
; STATE: D.C.
; ZIP: 20036
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/044,618
; FILING DATE: 19930406
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/257,696
; FILING DATE: 14-OCT-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: FOX, SAMUEL L
; REGISTRATION NUMBER: 30,353
; REFERENCE/DOCKET NUMBER: 0654.0490001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)466-0800
; TELEFAX: (202)833-8716
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3747 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-08-044-618-5

Query Match 8.4%; Score 175; DB 1; Length 3747;
Best Local Similarity 100.0%; Pred. No. 6e-59; Indels 0; Gaps 0;
Matches 175; Conservative 0; Mismatches 0;

QY 1888 GTGTTTCTAGGTCGTGGCGCTTCGGGCTTCGGGAGCTTTGGCGGCAGCTAGGGGAGGATGCG 1947
DB 136 GGTGTTCTAGGTCGTGGCGCTTCGGGCTTCGGGAGCTTTGGCGGCAGCTAGGGGAGGATGCG 195
QY 1948 GGAGTCTTCGATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCGCTCTTGCNA 2007
DB 196 GGAGTCTTCGATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCGCTCTTGCNA 255
QY 2008 GAAATGCAGCAGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 2062
DB 256 GAAATGCAGCAGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 310

RESULT 3
US-09-596-248D-24
; Sequence 24, Application US/09596248D
; Patent No. 6599727
; GENERAL INFORMATION:
; APPLICANT: Christenson, Erik
; APPLICANT: DeMaggio, Anthony J
; APPLICANT: Goldman, Phyllis S
; APPLICANT: Mceligott, David L
; TITLE OF INVENTION: Human Poly(ADP-Ribose) Polymerase 2 Materials and
; FILE REFERENCE: 27866/36544
; CURRENT APPLICATION NUMBER: US/09/596,248D
; FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: 60/139,543
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 3045
; TYPE: DNA

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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(3045)
; OTHER INFORMATION:
; US-09-596-248D-24

Query Match 5.8%; Score 120; DB 4; Length 3045;
Best Local Similarity 100.0%; Pred. No. 1.6e-37;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1943 ATGGCGGAGTCTTCGGATAAGCTCTATCGAGTCGAGTAGCCCAAGAGCGGGCGGCGCTCT 2002
DB 1 ATGGCGGAGTCTTCGGATAAGCTCTATCGAGTCGAGTAGCCCAAGAGCGGGCGGCGCTCT 60
QY 2003 TGCAAGAAATGCAGCAGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 2062
DB 61 TGCAAGAAATGCAGCAGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 120

RESULT 4
US-08-860-886-1
; Sequence 1, Application US/08860886
; Patent No. 6335009
; GENERAL INFORMATION:
; APPLICANT: Burkle, Alexander
; APPLICANT: Zur Hausen, Harald
; APPLICANT: Jan-Heiner, Kupper
; TITLE OF INVENTION: VECTORS AND VIRUSES FOR USE
; IN GENE THERAPY
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds, LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: Fast-Seq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/860,886
; FILING DATE: 03-OCT-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 8484-0028-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-493-4935
; TELEFAX: 650-493-5556
; TELEEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3792 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 96..3134
; OTHER INFORMATION:
; US-08-860-886-1

Query Match 3.5%; Score 73; DB 3; Length 3792;
Best Local Similarity 98.9%; Pred. No. 3.1e-19;
Matches 173; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY 1888 GTGTTTCTAGTTCGTGGCGTTCGGGCTTCCGAGCTTTGGCGGCGAGCTAGGGAGGATGGC 1947
Db 41 GTGTTTCTAGTTCGTGGCGTTCGGGCTTCCGAGCTTTGGCGGCGAGCTAGGGAGGATGGC 100
QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGACCAAGAGCGGCGGCTTGGCAA 2007
Db 101 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGACCAAGAGCGGCGGCTTGGCAA 160
QY 2008 GAAATCGAGCGAGAGCATCCCAAGGACTCGCTCCGAGTGGCCATCATGTGTCAG 2062
Db 161 GAAATCGAGCGAGAGCATCCCAAGGACTCGCTCCGAGTGGCCATCATGTGTCAG 215

RESULT 5
US-09-596-248D-46
; Sequence 46, Application US/09596248D
; Patent No. 6599727
; GENERAL INFORMATION:
; APPLICANT: Christenson, Erik
; APPLICANT: DeMaggio, Anthony J
; APPLICANT: Goldman, Phyllis S
; APPLICANT: McElligott, David L
; TITLE OF INVENTION: Human Poly (ADP-Ribose) Polymerase 2 Materials and
; TITLE OF INVENTION: Methods
; FILE REFERENCE: 27866/36544
; CURRENT APPLICATION NUMBER: US/09/596,248D
; CURRENT FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: 60/139,543
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 46
; LENGTH: 3200
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: hPARP1/hPARP2
US-09-596-248D-46

Query Match 3.4%; Score 71; DB 4; Length 3200;
Best Local Similarity 100.0%; Pred. No. 1.9e-18;
Matches 71; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1943 ATGCGGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGACCAAGAGCGGCGGCTCT 2002
Db 109 ATGCGGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGACCAAGAGCGGCGGCTCT 168
QY 2003 TGAAGAAATG 2013
Db 169 TGAAGAAATG 179

RESULT 6
US-08-044-618-7
; Sequence 7, Application US/08044618
; Patent No. 5449605
; GENERAL INFORMATION:
; APPLICANT: SMULSON, MARK
; TITLE OF INVENTION: METHOD OR DETECTING A PREDISPOSITION TO
; TITLE OF INVENTION: CANCER BY THE USED OF RESTRICTION FRAGMENT LENGTH
; TITLE OF INVENTION: POLYMORPHISM OF THE GENE FOR THE HUMAN POLY (ADP-RIBOSE)
; TITLE OF INVENTION: POLYMERASE
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Suite 300
; CITY: Washington
; STATE: D.C.
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/044,618
; FILING DATE: 19930406
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/257,696
; FILING DATE: 14-OCT-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: FOX, SAMUEL L
; REGISTRATION NUMBER: 30,353
; REFERENCE/DOCKET NUMBER: 0654.0490001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)466-0800
; TELEFAX: (202)813-8716
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5345 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-044-618-7

Query Match 3.1%; Score 64; DB 1; Length 5345;
Best Local Similarity 100.0%; Pred. No. 9.6e-16;
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1998 CTTCTTGAAGAAATGTCAGGAGAGCATCCCAAGGACTCGCTCCGAGTGGCCATCATGG 2057
Db 828 CTTCTTGAAGAAATGTCAGGAGAGCATCCCAAGGACTCGCTCCGAGTGGCCATCATGG 887
QY 2058 TGCA 2061
Db 888 TGCA 891

RESULT 7
US-09-949-016-14854/c
; Sequence 14854, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14854
; LENGTH: 8848
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14854

Query Match 2.4%; Score 50; DB 4; Length 8848;
Best Local Similarity 100.0%; Pred. No. 2.6e-10;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 770 GGTGGGAGGATTGCTTGAGGCGAGGGGTTCAAGACCAGCGCTGGGCAACAT 819
Db 4278 GGTGGGAGGATTGCTTGAGGCGAGGGGTTCAAGACCAGCGCTGGGCAACAT 4229
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RESULT 8

US-09-949-016-178057
; Sequence 178057, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178057
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-178057

Query Match 2.2%; Score 46; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 1.3e-08;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 306 GGTGTTGGCCATGTTGTCAGGCTGGTCTTGAACCTCTGGGCTCAAG 351
|||||
Db 237 GGTGTTGGCCATGTTGTCAGGCTGGTCTTGAACCTCTGGGCTCAAG 282
|||||

RESULT 9

US-09-949-016-178058
; Sequence 178058, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178058
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-178058

Query Match 2.2%; Score 46; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 1.3e-08;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 306 GGTGTTGGCCATGTTGTCAGGCTGGTCTTGAACCTCTGGGCTCAAG 351
|||||
Db 302 GGTGTTGGCCATGTTGTCAGGCTGGTCTTGAACCTCTGGGCTCAAG 347
|||||

RESULT 10

US-09-949-016-13423/c
; Sequence 13423, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15078
; LENGTH: 114426
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15078

Query Match 2.2%; Score 46; DB 4; Length 114426;
Best Local Similarity 100.0%; Pred. No. 6.9e-09;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 360 CCACCTCAGCTCCCAAAGTCTAGGATTATAGGCACCTG 405
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Db 580 CCACCTCAGCTCCCAAAGTCTAGGATTATAGGCACCTG 535
|||||

RESULT 13
US-09-513-999C-16098
; Sequence 16098, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59 US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 16098
; LENGTH: 73
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-16098

Query Match 2.2%; Score 45; DB 4; Length 73;
Best Local Similarity 100.0%; Pred. No. 3.9e-08;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GCCTGTAGTCCCAAGCTACTCGGAGGCTGAGGTGGGAGGATCGCT 1442
|||||
Db 20 GCCTGTAGTCCCAAGCTACTCGGAGGCTGAGGTGGGAGGATCGCT 64
|||||

RESULT 14
US-09-513-999C-16110
; Sequence 16110, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59 US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm

; SEQ ID NO 16110
; LENGTH: 74
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-16110

Query Match 2.2%; Score 45; DB 4; Length 74;
Best Local Similarity 100.0%; Pred. No. 3.9e-08;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GCCTGTAGTCCCAAGCTACTCGGAGGCTGAGGTGGGAGGATCGCT 1442
|||||
Db 21 GCCTGTAGTCCCAAGCTACTCGGAGGCTGAGGTGGGAGGATCGCT 65
|||||

RESULT 15
US-09-513-999C-29990
; Sequence 29990, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59 US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 29990
; LENGTH: 123
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; LOCATION: 16
; OTHER INFORMATION: s=g or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 17
; OTHER INFORMATION: s=g or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 18
; OTHER INFORMATION: v=a or c or g
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 86
; OTHER INFORMATION: k=g or t
US-09-513-999C-29990

Query Match 2.2%; Score 45; DB 4; Length 123;
Best Local Similarity 100.0%; Pred. No. 3.7e-08;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GCCTGTAGTCCCAAGCTACTCGGAGGCTGAGGTGGGAGGATCGCT 1442
|||||
Db 20 GCCTGTAGTCCCAAGCTACTCGGAGGCTGAGGTGGGAGGATCGCT 64
|||||

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OM nucleic - nucleic search, using sw model

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Title: US-09-909-317-5

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6: /cgn2_6/ptodata/2/pubpna/PCRUS_PUBCOMB.seq.*
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9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq.*
18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq.*
19: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
20: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
21: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
22: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2085	100.0	2085	11 US-09-909-317-5	Sequence 5, Appli
2	406	19.5	844	13 US-10-027-632-154183	Sequence 154183,
3	406	19.5	844	17 US-10-027-632-154183	Sequence 154183,
4	175	8.4	335	18 US-10-283-975A-327	Sequence 327, App
5	175	8.4	370	18 US-10-723-860-2326	Sequence 2326, Ap
6	175	8.4	394	10 US-09-918-995-5037	Sequence 5037, Ap
7	175	8.4	398	9 US-09-960-253-117	Sequence 117, App
8	175	8.4	521	9 US-09-833-790-349	Sequence 349, App
9	175	8.4	665	9 US-09-960-253-107	Sequence 107, App
10	175	8.4	722	9 US-09-960-253-106	Sequence 106, App
11	175	8.4	3686	15 US-10-084-817-316	Sequence 316, App

12	175	8.4	3859	9 US-09-864-864-300	Sequence 300, App
13	175	8.4	3859	14 US-10-097-340-3	Sequence 3, Appli
14	175	8.4	3859	14 US-10-163-587A-3	Sequence 3, Appli
15	175	8.4	3861	17 US-10-334-143-100	Sequence 100, App
16	175	8.4	4100	18 US-10-723-860-6526	Sequence 6526, Ap
17	136	6.5	396	16 US-10-181-447A-43	Sequence 43, Appli
18	126	6.0	3640	9 US-09-292-758-144	Sequence 144, App
19	124	5.9	3795	15 US-10-171-581-124	Sequence 124, App
20	120	5.8	3045	16 US-10-369-378-24	Sequence 24, Appl
21	120	5.8	3045	16 US-10-199-937-136	Sequence 136, App
22	89	4.3	385	9 US-09-925-300-831	Sequence 831, App
23	71	3.4	3200	16 US-10-369-378-46	Sequence 46, Appl
24	71	3.4	3308	16 US-10-199-937-177	Sequence 177, App
25	52	2.5	55236	13 US-10-087-192-370	Sequence 370, App
26	46	2.2	50002	13 US-10-087-192-994	Sequence 994, App
27	46	2.2	64183	18 US-10-684-432-201	Sequence 201, App
28	46	2.2	121600	18 US-10-723-860-1125	Sequence 1125, Ap
29	45	2.2	563	13 US-10-027-632-185250	Sequence 185250,
30	45	2.2	563	17 US-10-027-632-185250	Sequence 185250,
31	45	2.2	681	13 US-10-027-632-121754	Sequence 121754,
32	45	2.2	681	13 US-10-027-632-121755	Sequence 121755,
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34	45	2.2	681	17 US-10-027-632-121755	Sequence 121755,
35	45	2.2	775	17 US-10-276-774-600	Sequence 600, App
36	45	2.2	10619	14 US-10-239-676-1	Sequence 1, Appli
37	45	2.2	10619	15 US-10-311-455-43	Sequence 43, Appli
38	45	2.2	10619	15 US-10-240-453-1	Sequence 1, Appli
39	45	2.2	10619	17 US-10-240-589C-1	Sequence 1, Appli
40	45	2.2	30175	9 US-09-738-878-3	Sequence 3, Appli
41	45	2.2	30175	13 US-10-163-381-3	Sequence 3, Appli
42	45	2.2	98345	19 US-10-461-862-136	Sequence 136, App
43	45	2.2	174448	13 US-10-087-192-148	Sequence 148, App
44	44	2.1	432	18 US-10-674-124A-232	Sequence 232, App
45	44	2.1	443	10 US-09-918-995-37206	Sequence 37206, A

ALIGNMENTS

RESULT 1
US-09-909-317-5
; Sequence 5, Application US/0909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING-DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2085
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-5

Query Match	100.0%	Score 2085;	DB 11;	Length 2085;
Best Local Similarity	100.0%	Pred. No. 0;		
Matches 2085;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	TTTAGGGATGATATAGTCTGTCACCCAGAGATGATCATGCGCTTTTGACTTGCTCA	60	
Db	1	TTTAGGGATGATATAGTCTGTCACCCAGAGATGATCATGCGCTTTTGACTTGCTCA	60	
QY	61	TTCTCTAAGTAAACCTTTTATTTGTTCCATCATATTTTCCACTTATTCGTTTACCTTCA	120	
Db	61	TTCTCTAAGTAAACCTTTTATTTGTTCCATCATATTTTCCACTTATTCGTTTACCTTCA	120	

; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 327
; LENGTH: 335
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(335)
; OTHER INFORMATION: N=any base
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(335)
; OTHER INFORMATION:
; US-10-283-975A-327

Query Match 8.4%; Score 175; DB 18; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1888 GTGTTTCTAGTTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 1947
Db 46 GTGTTTCTAGTTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 105
QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGGCGCTCTTTGCAA 2007
Db 106 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGGCGCTCTTTGCAA 165
QY 2008 GAAATGCGAGGAGATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 2062
Db 166 GAAATGCGAGGAGATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 220

RESULT 5
US-10-723-860-2326
; Sequence 2326, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8193
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2326
; LENGTH: 370
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-723-860-2326

Query Match 8.4%; Score 175; DB 18; Length 370;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1888 GTGTTTCTAGTTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 1947
Db 129 GTGTTTCTAGTTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 188
QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGGCGCTCTTTGCAA 2007
Db 189 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGGCGCTCTTTGCAA 248
QY 2008 GAAATGCGAGGAGATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 2062
Db 249 GAAATGCGAGGAGATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 303

RESULT 6

US-09-918-995-5037
; Sequence 5037, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5037
; LENGTH: 394
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-918-995-5037

Query Match 8.4%; Score 175; DB 10; Length 394;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1888 GTGTTTCTAGTTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 1947
Db 76 GTGTTTCTAGTTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 135
QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGGCGCTCTTTGCAA 2007
Db 136 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGGCGCTCTTTGCAA 195
QY 2008 GAAATGCGAGGAGATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 2062
Db 196 GAAATGCGAGGAGATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 250

RESULT 7

US-09-960-253-117
; Sequence 117, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960,253
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 117
; LENGTH: 398
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-960-253-117

Query Match 8.4%; Score 175; DB 9; Length 398;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1888 GTGTTTCTAGTTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 1947
Db 73 GTGTTTCTAGTTCGTGGCGTTCGGGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 132
QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGGCGCTCTTTGCAA 2007
Db 133 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGGCGCTCTTTGCAA 192
QY 2008 GAAATGCGAGGAGATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 2062
Db 193 GAAATGCGAGGAGATCCCCAAGGACTCGCTCCGGATGGCCATCATGGTGCAG 247

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RESULT 8
US-09-833-790-349
; Sequence 349, Application US/09833790
; Patent No. US20020068288A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Secrist, Heather
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Indirias, Carol Y.
; APPLICANT: Pan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.512
; CURRENT APPLICATION NUMBER: US/09/833,790
; CURRENT FILING DATE: 2001-04-11
; NUMBER OF SEQ ID NOS: 440
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 349
; LENGTH: 521
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-790-349

Query Match      8.4%; Score 175; DB 9; Length 521;
Best Local Similarity 100.0%; Pred. No. 1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 1947
DB 52 GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 111

QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTGCAA 2007
DB 112 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTGCAA 171

QY 2008 GAAATGCGAGGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGTGCGAG 2062
DB 172 GAAATGCGAGGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGTGCGAG 226

RESULT 9
US-09-960-253-107
; Sequence 107, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960,253
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 107
; LENGTH: 665
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-960-253-107

Query Match      8.4%; Score 175; DB 9; Length 665;
Best Local Similarity 100.0%; Pred. No. 1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 1947
DB 109 GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 168

QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTGCAA 2007
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DB 169 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTGCAA 228

QY 2008 GAAATGCGAGGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGTGCGAG 2062
DB 229 GAAATGCGAGGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGTGCGAG 283

RESULT 10
US-09-960-253-106
; Sequence 106, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960,253
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 106
; LENGTH: 722
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-960-253-106

Query Match      8.4%; Score 175; DB 9; Length 722;
Best Local Similarity 100.0%; Pred. No. 1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 1947
DB 124 GTGTTTCTAGGTCGTGGCGCTTCGGAGCTTTGGCGGAGCTAGGGAGGATGGC 183

QY 1948 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTGCAA 2007
DB 184 GGAGTCTTCGGATAAGCTCTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTCTTGCAA 243

QY 2008 GAAATGCGAGGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGTGCGAG 2062
DB 244 GAAATGCGAGGAGCATCCCAAGGACTCGCTCCGGATGGCCATCATGTGCGAG 298

RESULT 11
US-10-084-817-316
; Sequence 316, Application US/10084817
; Publication No. US20030119009A1
; GENERAL INFORMATION:
; APPLICANT: Susan Stuart
; APPLICANT: Jed G. Nuchtern
; APPLICANT: Sharon E. Plon
; APPLICANT: Jason M. Shonet
; TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION
; FILE REFERENCE: PA-0046 US
; CURRENT APPLICATION NUMBER: US/10/084,817
; CURRENT FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: 60/270,784
; PRIOR FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 365
; SOFTWARE: PERL Program
; SEQ ID NO 316
; LENGTH: 3686
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030119009A1 034181CB1
US-10-084-817-316

Query Match      8.4%; Score 175; DB 15; Length 3686;
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Best Local Similarity 100.0%; Pred. No. 9.9e-75;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGTCTGGCGCTTCGGAGCTTTGCGGAGCTTAGGGAGGATGCG 1947
Db 116 GTGTTTCTAGTCTGGCGCTTCGGAGCTTTGCGGAGCTTAGGGAGGATGCG 175

QY 1948 GGAGTCTTCGGATAAGCTTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTTTGCAA 2007
Db 176 GGAGTCTTCGGATAAGCTTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTTTGCAA 235

QY 2008 GAAATGCAGGAGAGCATCCCAAGGACTCGCTCCGATGGCCATCATGTTGCAG 2062
Db 236 GAAATGCAGGAGAGCATCCCAAGGACTCGCTCCGATGGCCATCATGTTGCAG 290

RESULT 12

US-09-864-864-300
Sequence 300, Application US/09864864
Patent No. US20020102679A1

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Dillon, Davin C.
APPLICANT: Secrist, Heather
APPLICANT: Lodes, Michael J.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steve P.
APPLICANT: Mannion, Jane
APPLICANT: Benson, Darin R.
APPLICANT: Carter, Darrick
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.523
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 341
SOFTWARE: Corixa Invention Disclosure Database
SEQ ID NO 300
LENGTH: 3859
TYPE: DNA
ORGANISM: Homo sapiens
US-09-864-864-300

Query Match

Best Local Similarity 100.0%; Pred. No. 9.9e-75;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGTCTGGCGCTTCGGAGCTTTGCGGAGCTTAGGGAGGATGCG 1947
Db 105 GTGTTTCTAGTCTGGCGCTTCGGAGCTTTGCGGAGCTTAGGGAGGATGCG 164

QY 1948 GGAGTCTTCGGATAAGCTTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTTTGCAA 2007
Db 165 GGAGTCTTCGGATAAGCTTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTTTGCAA 224

QY 2008 GAAATGCAGGAGAGCATCCCAAGGACTCGCTCCGATGGCCATCATGTTGCAG 2062
Db 225 GAAATGCAGGAGAGCATCCCAAGGACTCGCTCCGATGGCCATCATGTTGCAG 279

RESULT 13

US-10-097-340-3
Sequence 3, Application US/10097340
Publication No. US20030087250A1

GENERAL INFORMATION:

APPLICANT: John MONAHAN
APPLICANT: Manjula GANNAVAPU
APPLICANT: Sebastian HOERSCH
APPLICANT: Shubhangi KAMATKAR
APPLICANT: Steve G. KOVATS
APPLICANT: Rachel E. MEYERS

APPLICANT: Michael MORRISSEY
APPLICANT: Peter OLANDT
APPLICANT: Ami SEN
APPLICANT: Peter VEIBY
APPLICANT: Gordon B. MILLS
APPLICANT: Robert C. BAST, Jr.
APPLICANT: Karen LU
APPLICANT: Rosemarie SCHMANDT
APPLICANT: Xumei ZHAO
APPLICANT: Karen GLATT
TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer
FILE REFERENCE: MRI-030
CURRENT APPLICATION NUMBER: US/10/097,340
CURRENT FILING DATE: 2002-03-14
PRIOR APPLICATION NUMBER: 60/276,025
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/325,149
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 60/276,026
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/324,967
PRIOR FILING DATE: 2001/09/26
PRIOR APPLICATION NUMBER: 60/311,732
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: 60/325,102
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 60/323,580
PRIOR FILING DATE: 2001-09-19
NUMBER OF SEQ ID NOS: 363
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 3859
TYPE: DNA
ORGANISM: Homo sapiens
US-10-097-340-3

Query Match

Best Local Similarity 100.0%; Pred. No. 9.9e-75;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGTCTGGCGCTTCGGAGCTTTGCGGAGCTTAGGGAGGATGCG 1947
Db 105 GTGTTTCTAGTCTGGCGCTTCGGAGCTTTGCGGAGCTTAGGGAGGATGCG 164

QY 1948 GGAGTCTTCGGATAAGCTTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTTTGCAA 2007
Db 165 GGAGTCTTCGGATAAGCTTATCGAGTCGAGTACGCCAAGAGCGGCGCCCTTTGCAA 224

QY 2008 GAAATGCAGGAGAGCATCCCAAGGACTCGCTCCGATGGCCATCATGTTGCAG 2062
Db 225 GAAATGCAGGAGAGCATCCCAAGGACTCGCTCCGATGGCCATCATGTTGCAG 279

RESULT 14

US-10-163-587A-3
Sequence 3, Application US/10163587A
Publication No. US20030096263A1

GENERAL INFORMATION:

APPLICANT: Oliveira, Marcos
TITLE OF INVENTION: SELECTIVE PARP-1 TARGETING FOR DESIGNING CHEMO/RADIO SENSITIZING
FILE REFERENCE: 50229-306
CURRENT APPLICATION NUMBER: US/10/163,587A
CURRENT FILING DATE: 2003-01-10
PRIOR APPLICATION NUMBER: 60/296,110
PRIOR FILING DATE: 2001-06-07
NUMBER OF SEQ ID NOS: 40
SOFTWARE: PatentIn version 3.1
SEQ ID NO 3
LENGTH: 3859
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:

NAME/KEY: CDS
LOCATION: (160)..(3204)
OTHER INFORMATION:
US-10-163-587A-3

Query Match 8.4%; Score 175; DB 14; Length 3859;
Best Local Similarity 100.0%; Pred. No. 9.9e-75;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1888 GTGTTTCTAGGTTCGTGGCGCTTCGGAGCTTTGGCGGAGCTTTGGCGGAGGATGGC 1947
Db |||||||
QY 105 GTGTTTCTAGGTTCGTGGCGCTTCGGAGCTTTGGCGGAGGATGGC 164
Db |||||||
QY 1948 GGAGTCTTCGGATAGCTCTATCGAGTCGAGTACGCAAGAGCGGCGCGCTCTTTGCAA 2007
Db |||||||
QY 165 GGAGTCTTCGGATAGCTCTATCGAGTCGAGTACGCAAGAGCGGCGCGCTCTTTGCAA 224
Db |||||||
QY 2008 GAAATGCAGGAGAGCATCCCAAGGACTCGCTCGGATGGCCATCATGGTGCAG 2062
Db |||||||
QY 225 GAAATGCAGGAGAGCATCCCAAGGACTCGCTCGGATGGCCATCATGGTGCAG 279
Db |||||||

RESULT 15
US-10-334-143-100
Sequence 100, Application US/10334143
Publication No. US20040009549A1
GENERAL INFORMATION:
APPLICANT: GRIGORIEV, IGOR VYACHESLAVOVICH
APPLICANT: SUDARSANAM, SUCHA
TITLE OF INVENTION: METHOD FOR DETECTING REMOTE HOMOLOGUES AND NOVEL
FILE REFERENCE: 038602/1543
CURRENT APPLICATION NUMBER: US/10/334,143
PRIOR FILING DATE: 2002-12-31
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PRIOR FILING DATE: 2001-12-31
NUMBER OF SEQ ID NOS: 207
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 100
LENGTH: 3861
TYPE: DNA
ORGANISM: Homo sapiens
US-10-334-143-100

Query Match 8.4%; Score 175; DB 17; Length 3861;
Best Local Similarity 100.0%; Pred. No. 9.9e-75;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 167 GGAGTCTTCGGATAGCTCTATCGAGTCGAGTACGCAAGAGCGGCGCGCTCTTTGCAA 226
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QY 227 GAAATGCAGGAGAGCATCCCAAGGACTCGCTCGGATGGCCATCATGGTGCAG 281
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Search completed: June 6, 2005, 16:50:33
Job time : 1247 secs

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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:06:17 ; Search time 107 Seconds
(without alignments)
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Title: US-09-909-317-5_COPY_830_880

Perfect score: 51

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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a
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and is derived by analysis of the total score distribution.

SUMMARIES

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RESULT 2
US-09-949-016-17468/c
; Sequence 17468, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17468
; LENGTH: 88906
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1)...(88906)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17468

Query Match      72.2%; Score 36.8; DB 4; Length 88906;
Best Local Similarity 85.4%; Pred. No. 0.0022;
Matches 41; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

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Db 76651 CACATCTCTTTTCAACACACACACACACACACACACAGGTCT 76604

RESULT 3
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; Sequence 13589, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 13589
; LENGTH: 182
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-13589

Query Match      70.6%; Score 36; DB 4; Length 182;
Best Local Similarity 88.6%; Pred. No. 0.0012;
Matches 39; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 5 TCTCTTCTTTTACACACACACACACACACACACACAAATATCT 48
Db 180 TCTCTTCTTACACACACACACACACACACACACAAATTTAT 137

RESULT 4
US-09-949-016-17009
; Sequence 17009, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17009
; LENGTH: 205163
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1)...(636591)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11808

Query Match      69.4%; Score 35.4; DB 4; Length 205163;
Best Local Similarity 97.3%; Pred. No. 0.0079;
Matches 36; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 14 TTACACACACACACACACACACACACACACACACAAATATCTGA 50
Db 136078 TTACACACACACACACACACACACACACACACACAAATATCTGA 136114

RESULT 5
US-09-949-016-11808/c
; Sequence 11808, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11808
; LENGTH: 636591
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1)...(636591)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11808

Query Match      68.6%; Score 35; DB 4; Length 636591;
Best Local Similarity 80.4%; Pred. No. 0.014;
Matches 41; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 1 CCCATCTCTTTTACACACACACACACACACACACACAAATATCTGAT 51
Db 399702 CACATGCGCTTTCTTTAAACACACACACACACACAAATTAAGAT 399652

RESULT 6
US-09-949-016-13388/c
; Sequence 13388, Application US/09949016
```


; SEQ ID NO 142944
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-142944

Query Match 67.8%; Score 34.6; DB 4; Length 601;
Best Local Similarity 90.2%; Pred. No. 0.0048;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 CCATCTCTTTCTTACACACACACACACACACACAA 42
|||||
DB 214 CCATTATTTCATTACACACACACACACACACACA 254
|||||

RESULT 15

US-09-949-016-142945
; Sequence 142945, Application US/09949016
; Patent No. 6812339

; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 142945

; LENGTH: 601

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-142945

Query Match 67.8%; Score 34.6; DB 4; Length 601;
Best Local Similarity 90.2%; Pred. No. 0.0048;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 CCATCTCTTTCTTACACACACACACACACACACAA 42
|||||
DB 397 CCATTATTTCATTACACACACACACACACACACA 437
|||||

RESULT 16

US-09-949-016-13256/c
; Sequence 13256, Application US/09949016
; Patent No. 6812339

; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 13256

; LENGTH: 50368

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-13256

Query Match 67.8%; Score 34.6; DB 4; Length 50368;
Best Local Similarity 90.2%; Pred. No. 0.011; 4; Indels 0; Gaps 0;
Matches 37; Conservative 0; Mismatches 0;

QY 2 CCATCTCTTTCTTACACACACACACACACACACAA 42
|||||
DB 14026 CCTCTCTCTCTTACACACACACACACACACACA 13986
|||||

RESULT 17

US-09-949-016-11894/c
; Sequence 11894, Application US/09949016
; Patent No. 6812339

; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 11894

; LENGTH: 154605

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-11894

Query Match 67.8%; Score 34.6; DB 4; Length 154605;
Best Local Similarity 90.2%; Pred. No. 0.014; 4; Indels 0; Gaps 0;
Matches 37; Conservative 0; Mismatches 0;

QY 2 CCATCTCTTTCTTACACACACACACACACACACAA 42
|||||
DB 116529 CCATCCCTCTCTTACACACACACACACACACA 116489
|||||

RESULT 18

US-09-949-016-15779/c
; Sequence 15779, Application US/09949016
; Patent No. 6812339

; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 15779

; LENGTH: 265038

; TYPE: DNA

; ORGANISM: Human

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(265038)

; OTHER INFORMATION: n = A,T,C or G

US-09-949-016-15779

;; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
;; TITLE OF INVENTION: AND IMMUNODIAGNOSIS OF PROSTATE CANCER
;; NUMBER OF SEQUENCES: 59
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: SEED AND BERRY LLP
;; STREET: 6300 Columbia Center, 701 Fifth Avenue
;; CITY: Seattle
;; STATE: Washington
;; COUNTRY: USA
;; ZIP: 98104-7092
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/946,026
;; FILING DATE: 07-OCT-1997
;; CLASSIFICATION: 424
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Maki, David J.
;; REGISTRATION NUMBER: 31,392
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (206) 622-4900
;; TELEFAX: (206) 682-6031
;; INFORMATION FOR SEQ ID NO: 59:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1050 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; ORIGINAL SOURCE:
;; ORGANISM: Homo sapiens
;; US-08-946-026-59
Query Match 65.9%; Score 33.6; DB 3; Length 1050;
Best Local Similarity 81.2%; Pred. No. 0.012; Mismatches 0; Indels 0; Gaps 0;
Matches 39; Conservative 0;
QY 4 ATCTCTTTTACACACACACACACACACACACACACACACACACACTCTGAT 51
Db 872 ATGTGTGTGTACACACACACACACACACACACACACACACACACTCTGAT 825
RESULT 24
US-08-946-026-58/c
; Sequence 58, Application US/08946026
; Patent No. 6034218
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Twardzik, Daniel R.
; APPLICANT: Mitcham, Jennifer L.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
; TITLE OF INVENTION: AND IMMUNODIAGNOSIS OF PROSTATE CANCER
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED AND BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/946,026
; FILING DATE: 07-OCT-1997

;; CLASSIFICATION: 424
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Maki, David J.
;; REGISTRATION NUMBER: 31,392
;; REFERENCE/DOCKET NUMBER: 210121.424C1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (206) 622-4900
;; TELEFAX: (206) 682-6031
;; INFORMATION FOR SEQ ID NO: 58:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1497 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; ORIGINAL SOURCE:
;; ORGANISM: Homo sapiens
;; US-08-946-026-58
Query Match 65.9%; Score 33.6; DB 3; Length 1497;
Best Local Similarity 81.2%; Pred. No. 0.013; Mismatches 39; Conservative 0; Indels 0; Gaps 0;
Matches 39; Conservative 0;
QY 4 ATCTCTTTTACACACACACACACACACACACACACACACACACTCTGAT 51
Db 1318 ATGTGTGTGTACACACACACACACACACACACACACACTCTGAT 1271
RESULT 25
US-09-949-016-13631
; Sequence 13631, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13631
; LENGTH: 57751
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-13631
Query Match 65.9%; Score 33.6; DB 4; Length 57751;
Best Local Similarity 81.2%; Pred. No. 0.026; Mismatches 39; Conservative 0; Indels 0; Gaps 0;
Matches 39; Conservative 0;
QY 4 ATCTCTTTTACACACACACACACACACACACACACACACACACTCTGAT 51
Db 10252 ATATATATATATACACACACACACACACACACACACATCATGTGAT 10299
RESULT 26
US-09-949-016-14349
; Sequence 14349, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14

```
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14349
; LENGTH: 132438
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(132438)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14349

Query Match      65.9%; Score 33.6; DB 4; Length 132438;
Best Local Similarity 90.0%; Pred. No. 0.03;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACACAAA 42
Db 82777 CATCTCTTTCTTATACACACACACACACACACACA 82816

RESULT 27
US-09-949-016-14350
; Sequence 14350, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14350
; LENGTH: 132438
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(132438)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14350

Query Match      65.9%; Score 33.6; DB 4; Length 132438;
Best Local Similarity 90.0%; Pred. No. 0.03;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACACAAA 42
Db 82777 CATCTCTTTCTTATACACACACACACACACACACA 82816

RESULT 28
US-09-949-016-14348
; Sequence 14348, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
```

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; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14348
; LENGTH: 151089
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(151089)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14348

Query Match      65.9%; Score 33.6; DB 4; Length 151089;
Best Local Similarity 90.0%; Pred. No. 0.03;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACACAAA 42
Db 107281 CATCTCTTTCTTATACACACACACACACACACACA 107320

RESULT 29
US-09-949-016-16928
; Sequence 16928, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16928
; LENGTH: 524032
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(524032)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16928

Query Match      65.9%; Score 33.6; DB 4; Length 524032;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACACAAA 42
Db 480224 CATCTCTTTCTTATACACACACACACACACACACA 480263

RESULT 30
US-09-949-016-16929
; Sequence 16929, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
```

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16929
; LENGTH: 524032
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(524032)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16929

Query Match 65.9%; Score 33.6; DB 4; Length 524032;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACACAAA 42
|||||
Db 480224 CATCTCTTCTCTATACACACATACACACACACACACA 480263

RESULT 31

US-09-949-016-16930
; Sequence 16930, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16930
; LENGTH: 524032
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(524032)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16930

Query Match 65.9%; Score 33.6; DB 4; Length 524032;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACACAAA 42
|||||
Db 480224 CATCTTCTCTATACACACATACACACACACACACA 480263

RESULT 32

US-09-949-016-16931

; Sequence 16931, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16931
; LENGTH: 524032
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(524032)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16931

Query Match 65.9%; Score 33.6; DB 4; Length 524032;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACACAAA 42
|||||
Db 480224 CATCTTCTCTATACACACATACACACACACACACA 480263

RESULT 33

US-09-949-016-14340
; Sequence 14340, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14340
; LENGTH: 529885
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(529885)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14340

Query Match 65.9%; Score 33.6; DB 4; Length 529885;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACACAAA 42
|||||
Db 480224 CATCTTCTCTATACACACATACACACACACACACA 480263

RESULT 34
US-09-949-016-14341
; Sequence 14341, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14341
; LENGTH: 529885
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(529885)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14341

Query Match 65.9%; Score 33.6; DB 4; Length 529885;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACAAA 42
|||||
Db 480224 CATCTCTTTCTTATACACACACACACACACACAAA 42

RESULT 35
US-09-949-016-14342
; Sequence 14342, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14342
; LENGTH: 529885
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(529885)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14342

Query Match 65.9%; Score 33.6; DB 4; Length 529885;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACAAA 42
|||||
Db 480224 CATCTCTTTCTTATACACACACACACACACACAAA 42

RESULT 36
US-09-949-016-14343
; Sequence 14343, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14343
; LENGTH: 529885
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(529885)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14343

Query Match 65.9%; Score 33.6; DB 4; Length 529885;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACAAA 42
|||||
Db 480224 CATCTCTTTCTTATACACACACACACACACACAAA 42

RESULT 37
US-09-949-016-14344
; Sequence 14344, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14344
; LENGTH: 529885
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(529885)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14344

Query Match 65.9%; Score 33.6; DB 4; Length 529885;
Best Local Similarity 90.0%; Pred. No. 0.04;

QY 3 CATCTCTTTCTTATACACACACACACACACACAAA 42
|||||

|||||
Db 480224 CATCTCTTTCTTATACACACACACACACACACAAA 480263

RESULT 36
US-09-949-016-14343
; Sequence 14343, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14343
; LENGTH: 529885
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(529885)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14343

Query Match 65.9%; Score 33.6; DB 4; Length 529885;
Best Local Similarity 90.0%; Pred. No. 0.04;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTATACACACACACACACACACAAA 42
|||||
Db 480224 CATCTCTTTCTTATACACACACACACACACACAAA 480263

RESULT 37
US-09-949-016-14344
; Sequence 14344, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14344
; LENGTH: 529885
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(529885)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14344

Query Match 65.9%; Score 33.6; DB 4; Length 529885;
Best Local Similarity 90.0%; Pred. No. 0.04;


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; LOCATION: (1)...(818128)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14546

Query Match      65.9%; Score 33.6; DB 4; Length 818128;
Best Local Similarity 90.0%; Pred. No. 0.043;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 3 CATCTCTTTTACACACACACACACACACACACACACAA 42
Db 288547 CACTTCTCTTTTACACACACACACACACACACACACACACA 288586

RESULT 42
US-09-949-016-14547
; Sequence 14547, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14547
; LENGTH: 818128
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(818128)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14547

Query Match      65.9%; Score 33.6; DB 4; Length 818128;
Best Local Similarity 90.0%; Pred. No. 0.043;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 3 CATCTCTTTTACACACACACACACACACACACACACAA 42
Db 288547 CACTTCTCTTTTACACACACACACACACACACACACACACA 288586

RESULT 43
US-09-949-016-14548
; Sequence 14548, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14548
; LENGTH: 818128
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(818128)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14547

Query Match      65.9%; Score 33.6; DB 4; Length 818128;
Best Local Similarity 90.0%; Pred. No. 0.043;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 3 CATCTCTTTTACACACACACACACACACACACACACAA 42
Db 288547 CACTTCTCTTTTACACACACACACACACACACACACACACA 288586

RESULT 44
US-09-949-016-14549
; Sequence 14549, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14549
; LENGTH: 818128
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(818128)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14549

Query Match      65.9%; Score 33.6; DB 4; Length 818128;
Best Local Similarity 90.0%; Pred. No. 0.043;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 3 CATCTCTTTTACACACACACACACACACACACACACAA 42
Db 288547 CACTTCTCTTTTACACACACACACACACACACACACACACA 288586

RESULT 45
US-09-949-016-14550
; Sequence 14550, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14550
; LENGTH: 818128
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(818128)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14550

Query Match      65.9%; Score 33.6; DB 4; Length 818128;
Best Local Similarity 90.0%; Pred. No. 0.043;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 3 CATCTCTTTTACACACACACACACACACACACACACAA 42
Db 288547 CACTTCTCTTTTACACACACACACACACACACACACACACA 288586
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; SEQ ID NO 14550
; LENGTH: 818128
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(818128)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14550

Query Match      65.9%; Score 33.6; DB 4; Length 818128;
Best Local Similarity 90.0%; Pred. No. 0.043;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
Db 288547 CACTTCTCTCTTTACACACACACACACACACACACA 288586

RESULT 46
US-09-949-016-14551
; Sequence 14551, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14551
; LENGTH: 818128
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(818128)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14551

Query Match      65.9%; Score 33.6; DB 4; Length 818128;
Best Local Similarity 90.0%; Pred. No. 0.043;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
Db 288547 CACTTCTCTCTTTACACACACACACACACACACACA 288586

RESULT 47
US-09-949-016-14552
; Sequence 14552, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14552
; LENGTH: 818128
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(818128)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14552

Query Match      65.9%; Score 33.6; DB 4; Length 818128;
Best Local Similarity 90.0%; Pred. No. 0.043;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
Db 288547 CACTTCTCTCTTTACACACACACACACACACACACA 288586

RESULT 48
US-09-949-016-14553
; Sequence 14553, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14553
; LENGTH: 818128
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(818128)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14553

Query Match      65.9%; Score 33.6; DB 4; Length 818128;
Best Local Similarity 90.0%; Pred. No. 0.043;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
Db 288547 CACTTCTCTCTTTACACACACACACACACACACACA 288586

RESULT 49
US-09-949-016-14554
; Sequence 14554, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14554
; LENGTH: 818128
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(818128)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14554

Query Match      65.9%; Score 33.6; DB 4; Length 818128;
Best Local Similarity 90.0%; Pred. No. 0.043;
Matches 36; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 CATCTCTTTCTTTACACACACACACACACACACACAAA 42
Db 288547 CACTTCTCTCTTTACACACACACACACACACACACA 288586
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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:14:13 ; Search time 452.333 Seconds

(without alignments)
693.114 Million cell updates/sec

Title: US-09-909-317-5_COPY_830_880

Perfect score: 51

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Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 5706582 seqs, 3073711274 residues

Total number of hits satisfying chosen parameters: 11413164

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	51	100.0	2085	11	US-09-909-317-5
2	40.4	79.2	1619	14	US-10-239-676-2
3	40.4	79.2	10619	15	US-10-311-455-44
4	40.4	79.2	10619	15	US-10-240-453-2
5	40.4	79.2	10619	17	US-10-240-589C-2
6	38.6	75.7	400	18	US-10-674-124A-3039
7	37.4	73.3	154	18	US-10-674-124A-10920
8	37	72.5	621	18	US-10-357-930-55243
9	36.8	72.2	104245	17	US-10-160-807-4
10	36.8	72.2	104245	17	US-10-655-847-4
11	36.8	72.2	170245	18	US-10-717-597-322
					Sequence 5, Appli
					Sequence 2, Appli
					Sequence 4, Appli
					Sequence 2, Appli
					Sequence 2, Appli
					Sequence 3039, Ap
					Sequence 10920, A
					Sequence 5243, A
					Sequence 4, Appli
					Sequence 4, Appli
					Sequence 322, App

US-10-674-124A-18213
US-10-027-632-259460
US-10-027-632-259460
US-10-674-124A-12309
US-10-087-192-496
US-10-027-632-282410
US-10-027-632-282410
US-10-674-124A-12025
US-10-674-124A-25250
US-10-674-124A-25250
US-10-674-124A-25249
US-10-027-632-128160
US-10-027-632-128160
US-10-027-632-149459
US-10-027-632-149459
US-10-027-632-149461
US-10-027-632-149461
US-10-715-066-3
US-10-674-124A-9430
US-10-674-124A-6272
US-10-674-124A-10989
US-10-674-124A-10962
US-10-674-124A-10528
US-10-674-124A-5849
US-10-674-124A-3935
US-10-674-124A-17215
US-10-027-632-180561
US-10-027-632-180561
US-10-322-281-667
US-09-956-712-10
US-10-633-913-10
US-10-322-281-656
US-10-674-124A-4263
US-10-674-124A-26523
US-10-674-124A-21764
US-10-674-124A-21765
US-10-674-124A-22328
US-10-674-124A-13594
US-10-087-192-226
US-10-719-993-31630
US-10-674-124A-22663
US-10-674-124A-925
US-10-027-632-279794
US-10-027-632-279794
US-10-027-632-252772
US-10-027-632-252772
US-10-741-601-5702
US-10-741-601-5702
US-10-775-169-88
US-10-719-993-6844
US-10-451-862-166
US-10-674-124A-16007
US-10-674-124A-13098
US-10-674-124A-19656
US-10-027-632-261656
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US-10-027-632-187329
US-10-027-632-187329
US-10-198-846-3464
US-09-997-722-169
US-10-105-612-1
US-10-322-281-380
US-10-674-124A-7516
US-10-040-739-1498
US-10-741-601-18475
US-10-741-601-50202
US-10-674-124A-20888
US-09-803-129-1301
US-10-674-124A-26461
US-10-674-124A-16827
US-10-674-124A-20889

Sequence 18213, A
Sequence 259460,
Sequence 259460,
Sequence 12309, A
Sequence 496, App
Sequence 282410,
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Sequence 12025, A
Sequence 25250, A
Sequence 23225, A
Sequence 25249, A
Sequence 128160,
Sequence 128160,
Sequence 149459,
Sequence 149461,
Sequence 149459,
Sequence 149460,
Sequence 149461,
Sequence 3, Appli
Sequence 9430, Ap
Sequence 6272, Ap
Sequence 10989, A
Sequence 10962, A
Sequence 10528, A
Sequence 5849, Ap
Sequence 3935, Ap
Sequence 17215, A
Sequence 180561,
Sequence 180561,
Sequence 667, App
Sequence 10, Appl
Sequence 10, Appl
Sequence 4263, Ap
Sequence 26523, A
Sequence 21764, A
Sequence 21765, A
Sequence 22328, A
Sequence 13594, A
Sequence 236, App
Sequence 31630, A
Sequence 22663, A
Sequence 925, App
Sequence 279794,
Sequence 279794,
Sequence 252772,
Sequence 252772,
Sequence 5702, Ap
Sequence 17803, A
Sequence 88, Appl
Sequence 6844, Ap
Sequence 166, App
Sequence 16007, A
Sequence 13098, A
Sequence 19656, A
Sequence 261656,
Sequence 261656,
Sequence 187329,
Sequence 187329,
Sequence 3464, Ap
Sequence 169, App
Sequence 1, Appl
Sequence 380, App
Sequence 7516, Ap
Sequence 1498, Ap
Sequence 18475, A
Sequence 50202, A
Sequence 20888, A
Sequence 1301, Ap
Sequence 22661, A
Sequence 16827, A
Sequence 20889, A

C 377	32.4	63.5	640	13	US-10-027-632-228838	Sequence 228838,	C 450	32	62.7	362	18	US-10-074-124A-17959	Sequence 17959, A
C 378	32.4	63.5	640	17	US-10-027-632-228838	Sequence 228838,	451	32	62.7	364	18	US-10-074-124A-25086	Sequence 25086, A
C 379	32.4	63.5	733	13	US-10-027-632-131838	Sequence 131838,	452	32	62.7	366	18	US-10-074-124A-23407	Sequence 23407, A
C 380	32.4	63.5	733	13	US-10-027-632-131839	Sequence 131839,	C 453	32	62.7	380	18	US-10-074-124A-22016	Sequence 22016, A
C 381	32.4	63.5	733	13	US-10-027-632-131840	Sequence 131840,	C 454	32	62.7	404	9	US-09-795-668-1392	Sequence 1392, Ap
C 382	32.4	63.5	733	17	US-10-027-632-131838	Sequence 131838,	C 455	32	62.7	404	9	US-09-795-668-1392	Sequence 1392, Ap
C 383	32.4	63.5	733	17	US-10-027-632-131839	Sequence 131839,	C 456	32	62.7	404	9	US-09-946-807-1392	Sequence 1392, Ap
C 384	32.4	63.5	733	17	US-10-027-632-131840	Sequence 131840,	C 457	32	62.7	424	18	US-10-074-124A-22729	Sequence 22729, A
C 385	32.4	63.5	887	13	US-10-027-632-164621	Sequence 164621,	C 458	32	62.7	425	18	US-10-074-124A-17574	Sequence 17574, A
C 386	32.4	63.5	887	13	US-10-027-632-164622	Sequence 164622,	C 459	32	62.7	449	18	US-10-074-124A-25088	Sequence 25088, A
C 387	32.4	63.5	887	17	US-10-027-632-164621	Sequence 164621,	C 460	32	62.7	450	18	US-10-074-124A-6181	Sequence 6181, Ap
C 388	32.4	63.5	887	17	US-10-027-632-164622	Sequence 164622,	C 461	32	62.7	455	9	US-09-864-761-14644	Sequence 14644, A
C 389	32.4	63.5	2775	13	US-10-027-632-263207	Sequence 263207,	C 462	32	62.7	456	13	US-10-027-632-286702	Sequence 286702, A
C 390	32.4	63.5	2775	17	US-10-027-632-263207	Sequence 263207,	C 463	32	62.7	457	13	US-10-027-632-286702	Sequence 286702, A
C 391	32.4	63.5	4858	17	US-10-172-118-1880	Sequence 1880, Ap	C 464	32	62.7	467	13	US-10-027-632-132116	Sequence 132116, A
C 392	32.4	63.5	4858	17	US-10-342-887-1880	Sequence 1880, Ap	C 465	32	62.7	467	17	US-10-027-632-132116	Sequence 132116, A
C 393	32.4	63.5	15698	15	US-10-311-455-2114	Sequence 2114, Ap	C 466	32	62.7	468	18	US-10-074-124A-6179	Sequence 6179, Ap
C 394	32.4	63.5	70931	18	US-10-331-053-67	Sequence 67, Appl	C 467	32	62.7	468	18	US-10-074-124A-6180	Sequence 6180, Ap
C 395	32.4	63.5	80595	10	US-09-728-552-3	Sequence 3, Appl	C 468	32	62.7	470	18	US-10-074-124A-7500	Sequence 7500, Ap
C 396	32.4	63.5	94381	11	US-09-997-722-31	Sequence 31, Appl	C 469	32	62.7	471	18	US-10-074-124A-5986	Sequence 5986, Ap
C 397	32.4	63.5	95593	13	US-10-052-482-106	Sequence 106, App	C 470	32	62.7	514	10	US-09-232-785-269	Sequence 269, App
C 398	32.4	63.5	107745	18	US-10-322-281-268	Sequence 268, App	C 471	32	62.7	548	18	US-10-357-930-58137	Sequence 58137, A
C 399	32.4	63.5	118951	14	US-10-161-572-11	Sequence 11, Appl	C 472	32	62.7	572	13	US-10-027-632-233159	Sequence 233159, A
C 400	32.4	63.5	127678	18	US-10-461-862-9	Sequence 9, Appl	C 473	32	62.7	572	17	US-10-027-632-233159	Sequence 233159, A
C 401	32.4	63.5	155350	18	US-10-322-281-691	Sequence 691, App	C 474	32	62.7	592	13	US-10-027-632-240871	Sequence 240871, A
C 402	32.4	63.5	169198	13	US-10-322-696-88	Sequence 88, Appl	C 475	32	62.7	692	17		


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; LENGTH: 2085
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-5

Query Match      100.0%; Score 51; DB 11; Length 2085;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 51; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCCATCTCTTTTACACACACACACACACACACACACACAAATATCTGAT 51
    |||||||
Db 830 CCCATCTCTTTTACACACACACACACACACACACACACAAATATCTGAT 880

RESULT 2
US-10-239-676-2/c
; Sequence 2, Application US/10239676
; Publication No. US20030082609A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
; FILE REFERENCE: 5013.1003
; CURRENT APPLICATION NUMBER: US/10/239,676
; CURRENT FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: PCT/EP01/03968
; DE 10019058.8
; DE 10019173.8
; DE 10032529.7
; DE 10043826.1
; PRIOR FILING DATE: 2001-04-06
; 2000-04-06
; 2000-04-07
; 2000-06-30
; 2000-09-01
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-239-676-2

Query Match      79.2%; Score 40.4; DB 14; Length 10619;
Best Local Similarity 97.6%; Pred. No. 0.00036;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CCCATCTCTTTTACACACACACACACACACACACACACAAA 42
    |||||||
Db 6678 CCCATCTCTTTTACACACACACACACACACACACACACACA 6637

RESULT 3
US-10-311-455-44/c
; Sequence 44, Application US/10311455
; Publication No. US2003014306A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining Cytosine Methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
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; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 44
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-44

Query Match      79.2%; Score 40.4; DB 15; Length 10619;
Best Local Similarity 97.6%; Pred. No. 0.00036;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CCCATCTCTTTTACACACACACACACACACACACACACAAA 42
    |||||||
Db 6678 CCCATCTCTTTTACACACACACACACACACACACACACACA 6637

RESULT 4
US-10-240-453-2/c
; Sequence 2, Application US/10240453
; Publication No. US20030148326A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA
; TITLE OF INVENTION: Transcription
; TITLE OF INVENTION: by Means of Assessing the Methylation Status of Genes Associated
; TITLE OF INVENTION: With DNA Transcription
; FILE REFERENCE: 5013.1009
; CURRENT APPLICATION NUMBER: US/10/240,453
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03973
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 350
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-453-2

Query Match      79.2%; Score 40.4; DB 15; Length 10619;
Best Local Similarity 97.6%; Pred. No. 0.00036;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CCCATCTCTTTTACACACACACACACACACACACACACAAA 42
    |||||||
Db 6678 CCCATCTCTTTTACACACACACACACACACACACACACACA 6637

RESULT 5
US-10-240-589C-2/c
; Sequence 2, Application US/10240589C
; Publication No. US20040076956A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; TITLE OF INVENTION: DNA repair
; FILE REFERENCE: 5013.1008
; CURRENT APPLICATION NUMBER: US/10/240,589C
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; CURRENT FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03972
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 148
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-589C-2

Query Match 79.2%; Score 40.4; DB 17; Length 10619;
Best Local Similarity 97.6%; Pred. No. 0.00036; Mismatches 1; Indels 0; Gaps 0;
Matches 41; Conservative 0;
QY 1 CCACATCTCTTTTACACACACACACACACACACACAA 42
DB 6678 CCACATCTCTTTTACACACACACACACACACACAC 6637

RESULT 6
US-10-674-124A-3039
; Sequence 3039, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 3039
; LENGTH: 400
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Located on chromosome 2

; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 84667136
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 18142
US-10-674-124A-3039

Query Match 75.7%; Score 38.6; DB 18; Length 400;
Best Local Similarity 91.1%; Pred. No. 0.00082; Mismatches 4; Indels 0; Gaps 0;
Matches 41; Conservative 0;

QY 5 TCTCTTTCTTTTACACACACACACACACACACACAAATATCTG 49
DB 178 TCTCTCTATACACACACACACACACACACACATATATG 222

RESULT 7

US-10-674-124A-10920
; Sequence 10920, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 10920
; LENGTH: 154
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: D6S988
; FEATURE:
; OTHER INFORMATION: Located on chromosome 6
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 13160898
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 107348
US-10-674-124A-10920

Query Match 73.3%; Score 37.4; DB 18; Length 154;
Best Local Similarity 87.2%; Pred. No. 0.0018; Mismatches 6; Indels 0; Gaps 0;
Matches 41; Conservative 0;

QY 5 TCTCTTTCTTTTACACACACACACACACACACACAAATATCTGAT 51
DB 76 TCTCTTCTGACACACACACACACACACACACTCTCTCAT 122

RESULT 8

US-10-357-930-55243
; Sequence 55243, Application US/10357930
; Publication No. US20040259086A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson
; APPLICANT: Monahan, John
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF
; TITLE OF INVENTION: HUMAN PROSTATE CANCER
; FILE REFERENCE: MRI-007BCN
; CURRENT APPLICATION NUMBER: US/10/357,930
; CURRENT FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: 09/785,276
; PRIOR FILING DATE: 2003-02-16
; PRIOR APPLICATION NUMBER: 60/183,319

;; PRIOR FILING DATE: 2000-04-13
;; PRIOR APPLICATION NUMBER: JP2002-327516
;; PRIOR FILING DATE: 2002-09-28
;; PRIOR APPLICATION NUMBER: JP2002-383869
;; PRIOR FILING DATE: 2002-12-09
;; NUMBER OF SEQ ID NOS: 27110
;; SEQ ID NO 18213
;; LENGTH: 419
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; OTHER INFORMATION: AC004802.1_36841
;; FEATURE:
;; OTHER INFORMATION: Located on chromosome 12
;; FEATURE:
;; OTHER INFORMATION: Distance between a terminus base of telomere on
;; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
;; OTHER INFORMATION: sequence : 1189010
;; FEATURE:
;; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
;; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
;; OTHER INFORMATION: 5'-terminus of this base sequence : 223511
US-10-674-124A-18213

Query Match 71.0%; Score 36.2; DB 18; Length 419;
Best Local Similarity 83.7%; Pred. No. 0.0056;
Matches 41; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 CCCATCTCTTTTACACACACACACACACACACACACACAAATATCTG 49
|||||
Db 243 CCCATGTGTGTTATACACACACACACACACACACACACTTCTG 291
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RESULT 13
US-10-027-632-259460/c
; Sequence 259460, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 259460
; LENGTH: 657
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-259460

Query Match 70.6%; Score 36; DB 13; Length 657;
Best Local Similarity 100.0%; Pred. No. 0.0072;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTACACACACACACACACACACACACACA 40
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Db 174 TCTCTTTCTTTACACACACACACACACACACACACA 139
|||||

RESULT 14
US-10-027-632-259460/c
; Sequence 259460, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 259460
; LENGTH: 657
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-259460

Query Match 70.6%; Score 36; DB 17; Length 657;
Best Local Similarity 100.0%; Pred. No. 0.0072;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTACACACACACACACACACACACACA 40
|||||
Db 174 TCTCTTTCTTTACACACACACACACACACACACA 139
|||||

RESULT 15
US-10-674-124A-12309
; Sequence 12309, Application US/10674124A
; Publication No. US2004019797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: GENETIC POLYMORPHISM MARKERS
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 12309
; LENGTH: 143
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: D7S2443

```

;
; FEATURE:
; OTHER INFORMATION: Located on chromosome 7
;
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 81430512
;
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 39232
US-10-674-124A-12309

```

Query Match	69.8%	Score 35.6;	DB 18;	Length 143;
Best Local Similarity	90.5%;	Pred. No. 0.0075;		
Matches 38;	Conservative	0;	Mismatches 4;	Indels 0;
				Gaps 0;

Qy		1	CCCATCTCTTTTCTTTTACACACACACACACACAAA	42
Dδ		56	CCTCTCTCTTTTCTCTACACACACACACACACACA	97

RESULT 16

```

US-10-087-192-496/C
; Sequence 496, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: CANCER
; FILE REFERENCE: 529452000122
; CURRENT APPLICATION NUMBER: US/10/087,192
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 496
; LENGTH: 58723
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-087-192-496

```

Query Match	69.8%	Score 35.6;	DB 13;	Length 58723;
Best Local Similarity	90.5%;	Pred. No. 0.023;		
Matches 38;	Conservative	0;	Mismatches 4;	Indels
				0;
				Gaps
				0;

QY 1 CCCATCTCTTTTCTTTACACACACACACACACA 42
||| |||| |
Dp 5177 CCCCTCTCTCTCTACTACACACACACACACACA 5136

RESIT.T 17

```

RESULTS 17
; Sequence 282410, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/219,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24

```

```

; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 282410
; LENGTH: 576
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-282410

```

Query Match 69.4%; Score 35.4; DB 13; Length 576;
Best Local Similarity 83.0%; Pred. No. 0.011;
Matches 39; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

Qy 2 CCATCTCTTTCTTTACACACACACACACACAAAATATCT 48
||| ||| ||| ||| ||| ||| ||| ||| : |||
Dd 343 CCGTCTCTCTCTCCACACACACACACACACACGTCCTCT 297

RESULT 18

```

US-10-027-632-282410/c
; Sequence 282410, Application US/10027632
; Publication NO. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 282410
; LENGTH: 576
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-282410

```

```
Query Match      69.4%; Score 35.4; DB 17; Length 576;
Best Local Similarity 83.0%; Pred. No. 0.011;
Matches 39: Conservative 1; Mismatches 7; Indels 0; Gaps 0;
```

[illegible]

RESIST. 19

```

RES001 43
US-10-674-124A-12025
; Sequence No25, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: Gen
; TITLE OF INVENTION: USING MICROSATELLITE

```



```
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; TITLE OF INVENTION: GENETIC POLYMORPHISM MARKERS
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; PRIOR FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 25249
; LENGTH: 393
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: AL163283.1_329610
; FEATURE:
; OTHER INFORMATION: Located on chromosome 21
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 38784639
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 82924
US-10-674-124A-25249
```

```
Query Match          69.0%; Score 35.2; DB 18; Length 393;
Best Local Similarity 92.5%; Pred. No. 0.012;
Matches 37; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
Qy 3 CATCTCTTTCTTTACACACACACACACACACACACACAAA 42
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 236 CATCTCTTTCTTTACACACACACACACACACACACACA 197
```

```
RESULT 23
US-10-027-632-128160
; Sequence 128160, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
```

```
; SEQ ID NO 128160
; LENGTH: 570
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-128160
```

```
Query Match          69.0%; Score 35.2; DB 13; Length 570;
Best Local Similarity 92.5%; Pred. No. 0.013;
Matches 37; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
Qy 3 CATCTCTTTCTTTACACACACACACACACACACACACAAA 42
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 88 CATCTCTCTCTTACACACACACACACACACACACACACA 127
```

```
RESULT 24
US-10-027-632-128160
; Sequence 128160, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 128160
; LENGTH: 570
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-128160
```

```
Query Match          69.0%; Score 35.2; DB 17; Length 570;
Best Local Similarity 92.5%; Pred. No. 0.013;
Matches 37; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
Qy 3 CATCTCTTTCTTTACACACACACACACACACACACACAAA 42
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 88 CATCTCTCTCTTACACACACACACACACACACACACACA 127
```

```
RESULT 25
US-10-027-632-149459
; Sequence 149459, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
```

```
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 149459
; LENGTH: 727
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-149459
```

```
Query Match          69.0%; Score 35.2; DB 13; Length 727;
Best Local Similarity 92.5%; Pred. No. 0.014;
Matches 37; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
Qy 1 CCCATCTCTTCTTTACACACACACACACACACACA 40
||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 227 CCCTTCTCTCTTCCACACACACACACACACACACA 266
```

```
RESULT 26
US-10-027-632-149460
; Sequence 149460, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 149460
; LENGTH: 727
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-149460
```

```
Query Match          69.0%; Score 35.2; DB 13; Length 727;
Best Local Similarity 92.5%; Pred. No. 0.014;
Matches 37; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
Qy 1 CCCATCTCTTCTTTACACACACACACACACACACA 40
||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 227 CCCTTCTCTCTTCCACACACACACACACACACACA 266
```

```
RESULT 27
US-10-027-632-149461
; Sequence 149461, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 149461
; LENGTH: 727
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-149461
```

```
Query Match          69.0%; Score 35.2; DB 13; Length 727;
Best Local Similarity 92.5%; Pred. No. 0.014;
Matches 37; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
Qy 1 CCCATCTCTTCTTTACACACACACACACACACACA 40
||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 227 CCCTTCTCTCTTCCACACACACACACACACACACA 266
```

```
RESULT 28
US-10-027-632-149459
; Sequence 149459, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 149459
; LENGTH: 727
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-149459
```

```
Query Match          69.0%; Score 35.2; DB 17; Length 727;
Best Local Similarity 92.5%; Pred. No. 0.014;
Matches 37; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```


QY 1 CCCATCTCTTTCTTTACACACACACACACACACACACACA 40
|||
Db 227 CCCTTCTCTCTTCTTACACACACACACACACACACACACA 266

RESULT 29

US-10-027-632-149460
; Sequence 149460, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 149460
; LENGTH: 727
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-149460

Query Match 69.0%; Score 35.2; DB 17; Length 727;
Best Local Similarity 92.5%; Pred. No. 0.014; Indels 0; Gaps 0;
Matches 37; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CCCATCTCTTTCTTTACACACACACACACACACACACACA 40
|||
Db 227 CCCTTCTCTCTTCTTACACACACACACACACACACACACA 266

RESULT 30

US-10-027-632-149461
; Sequence 149461, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09

; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 149461
; LENGTH: 727
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-149461

Query Match 69.0%; Score 35.2; DB 17; Length 727;
Best Local Similarity 92.5%; Pred. No. 0.014; Indels 0; Gaps 0;
Matches 37; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CCCATCTCTTTCTTTACACACACACACACACACACACACA 40
|||
Db 227 CCCTTCTCTCTTCTTACACACACACACACACACACACACA 266

RESULT 31

US-10-715-066-3/c
; Sequence 3, Application US/10715066
; Publication No. US20040127401A1
; GENERAL INFORMATION:
; APPLICANT: The Board of Trustees of the University of Arkansas
; APPLICANT: O'Brien, Timothy
; APPLICANT: Beard, John
; TITLE OF INVENTION: Underwood, Lowell
; TITLE OF INVENTION: CA125 Gene and Its Use for Diagnostic and Therapeutic
; TITLE OF INVENTION: Interventions
; FILE REFERENCE: 022438.43867
; CURRENT APPLICATION NUMBER: US/10/715,066
; CURRENT FILING DATE: 2003-11-17
; PRIOR APPLICATION NUMBER: 60/284,175
; PRIOR FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: 60/299,380
; PRIOR FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: 09/965,738
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: 60/345,180
; PRIOR FILING DATE: 2001-12-02
; PRIOR APPLICATION NUMBER: 60/427,045
; PRIOR FILING DATE: 2002-11-15
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3
; LENGTH: 14277
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(66)
; OTHER INFORMATION: Exon C1
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1802)..(1947)
; OTHER INFORMATION: Exon C2
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (4198)..(4350)
; OTHER INFORMATION: Exon C3
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (4679)..(4747)
; OTHER INFORMATION: Exon C4
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (6811)..(6978)
; OTHER INFORMATION: Exon C5
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (11232)..(11270)
; OTHER INFORMATION: Exon C6
; FEATURE:
; NAME/KEY: misc_feature

; LOCATION: (11594)..(11677)
; OTHER INFORMATION: Exon C7
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (13375)..(13500)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (14095)..(14187)
; OTHER INFORMATION: Exon C8
US-10-715-066-3

Query Match 69.0%; Score 35.2; DB 18; Length 14277;
Best Local Similarity 92.5%; Pred. No. 0.024;
Matches 37; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 5 TCTCTTTCTTTACACACACACACACACACACACAAAT 44
|||||
Db 9447 TCTCTCTCTACACACACACACACACACACACAAAT 9408
|||||

RESULT 32
US-10-674-124A-9430
; Sequence 9430, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 9430
; LENGTH: 134
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Located on chromosome 5

; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 163490847
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 38429
US-10-674-124A-9430

Query Match 68.2%; Score 34.8; DB 18; Length 134;
Best Local Similarity 84.8%; Pred. No. 0.014;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 5 TCTCTTTCTTTACACACACACACACACACACACAAATATCTCA 50
|||||
Db 37 TCTCTCTCTACACACACACACACACACACACATTCACTCA 82
|||||

RESULT 33
US-10-674-124A-6272

; Sequence 6272, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 6272
; LENGTH: 188
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Located on chromosome 3
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 186968498
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 345609
US-10-674-124A-6272

Query Match 68.2%; Score 34.8; DB 18; Length 188;
Best Local Similarity 94.7%; Pred. No. 0.015;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 5 TCTCTTTCTTTACACACACACACACACACACACAAA 42
|||||
Db 42 TCTCTTTCTTTACACACACACACACACACACACACA 79
|||||

RESULT 34
US-10-674-124A-10989
; Sequence 10989, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 10989
; LENGTH: 250

```

; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: AL021408.1_116125
; FEATURE:
; OTHER INFORMATION: Located on chromosome 6
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 139133452
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chrosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 8250
US-10-674-124A-10989

Query Match      68.2%; Score 34.8; DB 18; Length 250;
Best Local Similarity 94.7%; Pred. No. 0.016;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTACACACACACACACACACACAAA 42
    ||||||| ||||||| ||||||| ||||||| |||||||
Db 162 TCTCTTTCTTTACACACACACACACACACACACA 199

RESULT 35
US-10-674-124A-19062/c
; Sequence 19062, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 19062
; LENGTH: 252
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Located on chromosome 12
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 92526052
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chrosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 8490
US-10-674-124A-19062

Query Match      68.2%; Score 34.8; DB 18; Length 252;
Best Local Similarity 94.7%; Pred. No. 0.016;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTACACACACACACACACACACAAA 42
    ||||||| ||||||| ||||||| ||||||| |||||||
Db 209 TCTCTTTCTTTACACACACACACACACACACACA 172
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RESULT 36
US-10-674-124A-10528/c
; Sequence 10528, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 10528
; LENGTH: 286
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: AL157777.5_89493
; FEATURE:
; OTHER INFORMATION: Located on chromosome 6
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 92443605
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chrosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 6163
US-10-674-124A-10528

Query Match      68.2%; Score 34.8; DB 18; Length 286;
Best Local Similarity 94.7%; Pred. No. 0.016;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTACACACACACACACACACACAAA 42
    ||||||| ||||||| ||||||| ||||||| |||||||
Db 157 TCTCTTTCTTTACACACACACACACACACACACA 120

RESULT 37
US-10-674-124A-5849/c
; Sequence 5849, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
```


; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 180561
; LENGTH: 598
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-180561

Query Match 68.2%; Score 34.8; DB 13; Length 598;
Best Local Similarity 94.7%; Pred. No. 0.018;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTACACACACACACACACACACAAA 42
|||||
Db 414 TCTCTCTTTTACACACACACACACACACACACA 451

RESULT 41
US-10-027-632-180561
; Sequence 180561, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: Polymorphisms in the Human Genome
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 180561
; LENGTH: 598
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-180561

Query Match 68.2%; Score 34.8; DB 17; Length 598;
Best Local Similarity 94.7%; Pred. No. 0.018;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTACACACACACACACACACACAAA 42
|||||
Db 414 TCTCTCTTTTACACACACACACACACACACACA 451

RESULT 42
US-10-322-281-667/c
; Sequence 667, Application US/10322281
; Publication No. US20040126762A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris

; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001000
; CURRENT APPLICATION NUMBER: US/10/322,281
; CURRENT FILING DATE: 2002-12-17
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 667
; LENGTH: 23503
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-322-281-667

Query Match 68.2%; Score 34.8; DB 18; Length 23503;
Best Local Similarity 94.7%; Pred. No. 0.036;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTACACACACACACACACACACAAA 42
|||||
Db 22789 TCTCTGTCTTTTACACACACACACACACACACA 22752

RESULT 43
US-09-956-712-10/c
; Sequence 10, Application US/09956712
; Publication No. US20030092648A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett

; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF NAC EXPRESSION
; FILE REFERENCE: RTS-0326
; CURRENT APPLICATION NUMBER: US/09/956,712
; CURRENT FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 10
; LENGTH: 96649
; TYPE: DNA
; ORGANISM: Homo sapiens

; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(96649)
; OTHER INFORMATION: n = A,T,C or G
US-09-956-712-10

Query Match 68.2%; Score 34.8; DB 10; Length 96649;
Best Local Similarity 94.7%; Pred. No. 0.047;
Matches 36; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTACACACACACACACACACACAAA 42
|||||
Db 34009 TCTCTCTTTTACACACACACACACACACACA 33972

RESULT 44
US-10-633-913-10/c
; Sequence 10, Application US/10633913
; Publication No. US20040029277A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett

; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF NAC EXPRESSION
; FILE REFERENCE: RTS-0326
; CURRENT APPLICATION NUMBER: US/10/633,913
; CURRENT FILING DATE: 2003-08-04
; PRIOR APPLICATION NUMBER: US/09/956,712
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 10
; LENGTH: 96649
; TYPE: DNA
; ORGANISM: Homo sapiens

; FEATURE:
; NAME/KEY: misc_feature

US-10-674-124A-21764
; Sequence 21764, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: GENETIC POLYMORPHISM MARKERS
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 21764
; LENGTH: 238
; TYPE: DNA
; ORGANISM: Homo sapiens
; OTHER INFORMATION: AC005736.1_140838
; OTHER INFORMATION: Located on chromosome 16
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 31139

US-10-674-124A-21764
Query Match 67.8%; Score 34.6; DB 18; Length 238;
Best Local Similarity 90.2%; Pred. No. 0.018;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 2 CCATCTCTTTCTTTACACACACACACACACACACACAAA 42
|||||
DB 112 CCATCCCTCTCTCTACACACACACACACACACACACA 152
|||||

RESULT 49
US-10-674-124A-21765
; Sequence 21765, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: GENETIC POLYMORPHISM MARKERS
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 21765

LENGTH: 266
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: D16S3027
; FEATURE:
; OTHER INFORMATION: Located on chromosome 16
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 5172020
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : -211
US-10-674-124A-21765

Query Match 67.8%; Score 34.6; DB 18; Length 266;
Best Local Similarity 90.2%; Pred. No. 0.019;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 2 CCATCTCTTTCTTTACACACACACACACACACACACAAA 42
|||||
DB 85 CCATCCCTCTCTCTACACACACACACACACACACACA 125
|||||

RESULT 50
US-10-674-124A-22328
; Sequence 22328, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; TITLE OF INVENTION: GENETIC POLYMORPHISM MARKERS
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 22328
; LENGTH: 343
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: AC002044.1_163053
; FEATURE:
; OTHER INFORMATION: Located on chromosome 16
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 76491819
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 47988
US-10-674-124A-22328

Query Match 67.8%; Score 34.6; DB 18; Length 343;
Best Local Similarity 90.2%; Pred. No. 0.019;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 2 CCATCTCTTTCTTTACACACACACACACACACACACAAA 42
|||||

Db 210 CCATTATTTCATTACACACACACACACACACACACA 250

Search completed: June 2, 2005, 11:58:26
Job time : 486.533 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:06:17 ; Search time 50.3529 Seconds

(without alignments)
779.908 Million cell updates/sec

Title: US-09-909-317-6

Perfect score: 24

Sequence: 1 cacacacacacacacacacaca 24

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : Issued Patents_NA:*

- 1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
- 2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
- 3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
- 4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
- 5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	24	100.0	24	1	US-08-222-177A-445
2	24	100.0	25	1	US-08-222-177A-146
3	24	100.0	27	1	US-08-455-627-23
4	24	100.0	27	1	US-08-222-177A-143
5	24	100.0	27	2	US-08-689-856-23
6	24	100.0	27	3	US-08-787-321-23
7	24	100.0	28	1	US-08-222-177A-451
8	24	100.0	29	1	US-08-455-627-25
9	24	100.0	29	1	US-08-222-177A-80
10	24	100.0	29	1	US-08-222-177A-238
11	24	100.0	29	2	US-08-689-856-25
12	24	100.0	30	1	US-08-222-177A-373
13	24	100.0	31	1	US-08-222-177A-215
14	24	100.0	31	1	US-08-222-177A-235
15	24	100.0	31	1	US-08-222-177A-271
16	24	100.0	32	1	US-08-222-177A-210
17	24	100.0	32	1	US-08-222-177A-376
18	24	100.0	33	1	US-08-222-177A-59
19	24	100.0	33	1	US-08-222-177A-218
20	24	100.0	34	1	US-08-222-177A-110
21	24	100.0	34	1	US-08-222-177A-172
22	24	100.0	34	1	US-08-222-177A-180
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40	24	100.0	41	1	US-08-222-177A-74
41	24	100.0	41	1	US-08-222-177A-183
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416 24 100.0 439 3 US-09-188-930-47 Sequence 47, Appl
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419 24 100.0 443 3 US-08-903-139B-17 Sequence 17, Appl
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Sequence 108, App
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Sequence 93, Appl
Sequence 264, Appl
Sequence 42234, A
Sequence 42301, A
Sequence 299, App
Sequence 105924, A
Sequence 303, App
Sequence 47, Appl
Sequence 49, Appl
Sequence 52, Appl
Sequence 15744, A
Sequence 308, App
Sequence 307, App
Sequence 60074, A
Sequence 58931, A
Sequence 269, App
Sequence 341, App
Sequence 301, App
Sequence 313, App
Sequence 10663, A
Sequence 317, App
Sequence 345, App
Sequence 6, Appli
Sequence 101, App
Sequence 101, App
Sequence 105, App
Sequence 331, App
Sequence 125, App
Sequence 301, App
Sequence 45, Appl
Sequence 86, Appl

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ALIGNMENTS

RESULT 1
US-08-222-177A-445
; Sequence 445, Application US/08222177A
; Patent No. 5582379
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Demitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222.177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:

1 CACACACACACACACACACA 24

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 143:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd31rs
US-08-222-177A-143

Query Match          100.0%; Score 24; DB 1; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CACACACACACACACACACACA 24
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Db       2 CACACACACACACACACACACA 25
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RESULT 5
US-08-689-856-23
; Sequence 23, Application US/08689856
; Patent No. 5830658
; GENERAL INFORMATION:
; APPLICANT: Sergei M. Gryaznov
; TITLE OF INVENTION: Convergent Synthesis of Branched and Multiply
; TITLE OF INVENTION: Connected Macromolecular Structures
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward LLP
; STREET: Five Palo Alto Square, 3000 El Camino Real
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/689,856
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/455,627
; FILING DATE: 31-MAY-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Nakamura, Jackie N.
; REGISTRATION NUMBER: 35,966
; REFERENCE/DOCKET NUMBER: LYNX-003/01 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-843-5000
; TELEFAX: 415-857-0663
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-689-856-23

Query Match          100.0%; Score 24; DB 2; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CACACACACACACACACACACA 24
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Db       1 CACACACACACACACACACACA 24
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RESULT 6
US-08-787-321-23
; Sequence 23, Application US/08787321A
; Patent No. 6180777
; GENERAL INFORMATION:
; APPLICANT: Horn, Thomas
; TITLE OF INVENTION: SYNTHESIS OF BRANCHED NUCLEIC ACIDS
; FILE REFERENCE: (1300)-1199.002
; CURRENT APPLICATION NUMBER: US/08/787,321A
; CURRENT FILING DATE: 1997-01-03
; EARLIER APPLICATION NUMBER: US PROV 60/009,918
; EARLIER FILING DATE: 1996-01-12
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: oligonucleotide
US-08-787-321-23

Query Match          100.0%; Score 24; DB 3; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db       1 CACACACACACACACACACACA 24
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RESULT 7
US-08-222-177A-451
; Sequence 451, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:

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Query Match 100.0%; Score 24; DB 1; Length 29;
Best Local Similarity 100.0%; Pred. No. 0.27;

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; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 238:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd65rs
;
US-08-222-177A-238

Query Match 100.0%; Score 24; DB 1; Length 29;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 CACACACACACACACACACACA 24

RESULT 11
US-08-689-856-25
; Sequence 25, Application US/08689856
; Patent No. 5830658
; GENERAL INFORMATION:
; APPLICANT: Sergei M. Gryaznov
; TITLE OF INVENTION: Convergent Synthesis of Branched and Multiply
; TITLE OF INVENTION: Connected Macromolecular Structures
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward LLP
; STREET: Five Palo Alto Square, 3000 El Camino Real
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/689,856
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/455,627
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; FILING DATE: 31-MAY-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Nakamura, Jackie N.
; REGISTRATION NUMBER: 35,966
; REFERENCE/DOCKET NUMBER: LYNX-003/01 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-843-5000
; TELEFAX: 415-857-0663
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-08-689-856-25

Query Match 100.0%; Score 24; DB 2; Length 29;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CACACACACACACACACACACA 24
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Db 1 CACACACACACACACACACACA 24

RESULT 12
US-08-222-177A-373
; Sequence 373, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (GC-GA)n.(AG-AT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 373:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd118rs
;
US-08-222-177A-373
```



```
Query Match      100.0%; Score 24; DB 1; Length 30;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
   |||||||||||||||||||
Db 2 CACACACACACACACACACACA 25

RESULT 13
US-08-222-177A-215
; Sequence 215, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dG-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222.177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 215:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd57rs
US-08-222-177A-215

Query Match      100.0%; Score 24; DB 1; Length 31;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
   |||||||||||||||||||
Db 1 CACACACACACACACACACACA 24

RESULT 14
US-08-222-177A-235
; Sequence 235, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dG-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222.177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 215:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd57rs
US-08-222-177A-215

Query Match      100.0%; Score 24; DB 1; Length 31;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
   |||||||||||||||||||
Db 1 CACACACACACACACACACACA 24

RESULT 15
US-08-222-177A-271
; Sequence 271, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dG-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222.177A
; FILING DATE:
; CLASSIFICATION: 435
```

```
NUMBER OF SEQUENCES: 460
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dewitt Ross & Stevens, S.C.
STREET: 8000 Excelsior Drive, Suite 401
CITY: Madison
STATE: Wisconsin
COUNTRY: USA
ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222.177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 235:
SEQUENCE CHARACTERISTICS:
LENGTH: 31 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: mfd64rs
US-08-222-177A-235

Query Match      100.0%; Score 24; DB 1; Length 31;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
   |||||||||||||||||||
Db 2 CACACACACACACACACACACA 25

RESULT 15
US-08-222-177A-271
; Sequence 271, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dG-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222.177A
; FILING DATE:
; CLASSIFICATION: 435
```

```
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 271:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd79rs
US-08-222-177A-271

Query Match 100.0%; Score 24; DB 1; Length 31;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
Db 2 CACACACACACACACACACACA 25

RESULT 16
US-08-222-177A-210
; Sequence 210, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (GC-DA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 210:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 32 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
```

```
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd55rs
US-08-222-177A-210

Query Match 100.0%; Score 24; DB 1; Length 32;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
Db 2 CACACACACACACACACACACA 25

RESULT 17
US-08-222-177A-376
; Sequence 376, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (GC-DA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 376:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 32 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd119rs
US-08-222-177A-376

Query Match 100.0%; Score 24; DB 1; Length 32;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
Db 2 CACACACACACACACACACACA 25

RESULT 18
US-08-222-177A-59
; Sequence 59, Application US/08222177A
```

```

; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222.177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 218:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd58rs
; US-08-222-177A-218
;
; Query Match 100.0%; Score 24; DB 1; Length 33;
; Best Local Similarity 100.0%; Pred. No. 0.27;
; Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
Qy 1 CACACACACACACACACACACA 24
    |||||
Db 1 CACACACACACACACACACACA 24
    |||||

RESULT 20
US-08-222-177A-110
; Sequence 110, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222.177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 110:

```

```
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd20rs
US-08-222-177A-110

Query Match          100.0%; Score 24; DB 1; Length 34;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
Db 2 CACACACACACACACACACACA 25

RESULT 21
US-08-222-177A-172
; Sequence 172, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (GC-DA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 172:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd41rs
US-08-222-177A-172

Query Match          100.0%; Score 24; DB 1; Length 34;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
Db 2 CACACACACACACACACACACA 25

RESULT 22
US-08-222-177A-180
; Sequence 180, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (GC-DA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 180:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd44rs
US-08-222-177A-180

Query Match          100.0%; Score 24; DB 1; Length 34;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
Db 1 CACACACACACACACACACACA 24

RESULT 23
US-08-222-177A-192
; Sequence 192, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (GC-DA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
```

```

;
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 192:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd48rs
; US-08-222-177A-192

Query Match 100.0%; Score 24; DB 1; Length 34;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
Db 2 CACACACACACACACACACACA 25

RESULT 24
US-08-222-177A-322
; Sequence 322, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd9rs
; US-08-222-177A-77

Query Match 100.0%; Score 24; DB 1; Length 35;
Best Local Similarity 100.0%; Pred. No. 0.28;

QY 1 CACACACACACACACACACACA 24
Db 2 CACACACACACACACACACACA 25

RESULT 25
US-08-222-177A-77
; Sequence 77, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd9rs
; US-08-222-177A-77

Query Match 100.0%; Score 24; DB 1; Length 35;
Best Local Similarity 100.0%; Pred. No. 0.28;

```

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Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CACACACACACACACACACACACA 24
Db 1 CACACACACACACACACACACACA 24

RESULT 26
US-08-222-177A-189
; Sequence 189, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 189:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd47rs
US-08-222-177A-189

Query Match 100.0%; Score 24; DB 1; Length 35;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CACACACACACACACACACACACA 24
Db 2 CACACACACACACACACACACACA 25

RESULT 27
US-08-222-177A-104
; Sequence 104, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
```

```
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 104:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 36 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd18rs
US-08-222-177A-104

Query Match 100.0%; Score 24; DB 1; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CACACACACACACACACACACACA 24
Db 2 CACACACACACACACACACACACA 25

RESULT 28
US-08-222-177A-358
; Sequence 358, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
```

```
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 358:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 36 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; CLONE: mfd113rs
; US-08-222-177A-358

Query Match 100.0%; Score 24; DB 1; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
Db 2 CACACACACACACACACACACA 25

RESULT 29
US-08-222-177A-140
; Sequence 140, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 140:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd30rs
; US-08-222-177A-140

Query Match 100.0%; Score 24; DB 1; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
Db 2 CACACACACACACACACACACA 25

RESULT 30
US-08-222-177A-68
; Sequence 68, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd6rs
; US-08-222-177A-68

Query Match 100.0%; Score 24; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
Db 13 CACACACACACACACACACACA 36

RESULT 31
US-08-222-177A-198
; Sequence 198, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
```

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; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 397:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-222-177A-397

Query Match 100.0%; Score 24; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. NO. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
Db 2 CACACACACACACACACACA 25

RESULT 33
US-08-222-177A-137
; Sequence 137, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Demitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 137:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 39 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double

```


RESULT 35


```
RESULT 39
US-08-222-177A-403
; Sequence 403, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 403:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 40 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; CLONE: mfg8rs
; US-08-222-177A-403

Query Match 100.0%; Score 24; DB 1; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
   |||||
Db 1 CACACACACACACACACACACA 24

RESULT 40
US-08-222-177A-74
; Sequence 74, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 403:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 40 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; CLONE: mfg8rs
; US-08-222-177A-74

Query Match 100.0%; Score 24; DB 1; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
   |||||
Db 1 CACACACACACACACACACACA 24

RESULT 41
US-08-222-177A-183
; Sequence 183, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 74:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 41 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; CLONE: mfg8rs
; US-08-222-177A-74

Query Match 100.0%; Score 24; DB 1; Length 41;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
   |||||
Db 2 CACACACACACACACACACACA 25
```

```
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 74:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 41 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; CLONE: mfg8rs
; US-08-222-177A-74

Query Match 100.0%; Score 24; DB 1; Length 41;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
   |||||
Db 2 CACACACACACACACACACACA 25

RESULT 41
US-08-222-177A-183
; Sequence 183, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
```



```
;
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 53:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 42 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd1rs
;
US-08-222-177A-53
Query Match 100.0%; Score 24; DB 1; Length 42;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
| | | | | | | | | | | | | | |
Db 5 CACACACACACACACACACACA 28

RESULT 48
US-08-222-177A-229
; Sequence 229, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (GC-GA)n. (GG-GT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 229:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 42 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd105rs
;
US-08-222-177A-334
Query Match 100.0%; Score 24; DB 1; Length 42;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
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Db 12 CACACACACACACACACACACA 35

RESULT 49
US-08-222-177A-334
; Sequence 334, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (GC-GA)n. (GG-GT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 334:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 42 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd105rs
;
US-08-222-177A-334
Query Match 100.0%; Score 24; DB 1; Length 42;
Best Local Similarity 100.0%; Pred. No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
| | | | | | | | | | | | | | |
Db 12 CACACACACACACACACACACA 35

RESULT 50
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US-08-222-177A-340
; Sequence 340, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (GC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 340:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 42 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd107rs
US-08-222-177A-340

Query Match 100.0%; Score 24; DB 1; Length 42;
Best Local Similarity 100.0%; Pred.No. 0.28;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	CACACACACACACACACACACA	24
Db	12	CACACACACACACACACACA	35

Search completed: June 2, 2005, 07:32:24
Job time : 58.5529 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 2, 2005, 07:14:13 ; Search time 212.863 Seconds
(without alignments)
693.114 Million cell updates/sec

Title: US-09-909-317-6

Perfect score: 24

Sequence: 1 cacacacacacacacacaca 24

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 5706582 seqs, 3073711274 residues

Total number of hits satisfying chosen parameters: 11413164

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

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22: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 3	24	100.0	24	11	US-09-776-479-1068
C 4	24	100.0	24	11	US-09-909-317-6
C 5	24	100.0	24	14	US-10-112-653-1012
C 6	24	100.0	24	14	US-10-017-995-1068
C 7	24	100.0	24	17	US-10-314-578-1068
C 8	24	100.0	24	18	US-10-831-778-1068
C 9	24	100.0	27	9	US-09-735-363A-1
C 10	24	100.0	27	9	US-09-735-363A-5
C 11	24	100.0	27	9	US-09-735-363A-66

C 12	24	100.0	27	9	US-09-263-959-770	Sequence 770, Appl
C 13	24	100.0	27	16	US-10-168-327-2	Sequence 2, Appl
C 14	24	100.0	30	14	US-10-085-906-93	Sequence 93, Appl
C 15	24	100.0	31	14	US-10-085-906-27	Sequence 27, Appl
C 16	24	100.0	32	10	US-09-852-903C-21	Sequence 21, Appl
C 17	24	100.0	32	18	US-10-723-940-10	Sequence 10, Appl
C 18	24	100.0	34	10	US-09-852-903C-22	Sequence 22, Appl
C 19	24	100.0	36	10	US-09-852-903C-23	Sequence 23, Appl
C 20	24	100.0	36	11	US-09-909-317-7	Sequence 7, Appl
C 21	24	100.0	38	10	US-09-852-903C-24	Sequence 24, Appl
C 22	24	100.0	39	9	US-09-263-959-678	Sequence 678, Appl
C 23	24	100.0	40	10	US-09-852-903C-25	Sequence 25, Appl
C 24	24	100.0	40	18	US-10-661-088-24	Sequence 24, Appl
C 25	24	100.0	40	18	US-10-661-097-24	Sequence 24, Appl
C 26	24	100.0	40	18	US-10-661-355-24	Sequence 24, Appl
C 27	24	100.0	40	18	US-10-661-099-24	Sequence 24, Appl
C 28	24	100.0	40	18	US-10-661-415-24	Sequence 24, Appl
C 29	24	100.0	41	9	US-09-263-959-495	Sequence 495, Appl
C 30	24	100.0	41	14	US-10-146-575-46	Sequence 46, Appl
C 31	24	100.0	42	10	US-09-852-903C-26	Sequence 26, Appl
C 32	24	100.0	44	9	US-09-263-959-797	Sequence 797, Appl
C 33	24	100.0	44	10	US-09-852-903C-27	Sequence 27, Appl
C 34	24	100.0	46	10	US-09-852-903C-28	Sequence 28, Appl
C 35	24	100.0	46	10	US-09-971-353-33	Sequence 33, Appl
C 36	24	100.0	47	9	US-09-263-959-514	Sequence 514, Appl
C 37	24	100.0	47	9	US-09-263-959-571	Sequence 571, Appl
C 38	24	100.0	48	9	US-09-263-959-775	Sequence 775, Appl
C 39	24	100.0	48	10	US-09-852-903C-29	Sequence 29, Appl
C 40	24	100.0	48	10	US-09-971-353-28	Sequence 28, Appl
C 41	24	100.0	48	14	US-10-085-906-114	Sequence 114, Appl
C 42	24	100.0	48	14	US-10-085-906-234	Sequence 234, Appl
C 43	24	100.0	48	14	US-10-085-906-306	Sequence 306, Appl
C 44	24	100.0	48	14	US-10-085-906-360	Sequence 360, Appl
C 45	24	100.0	50	18	US-10-407-818-6	Sequence 6, Appl
C 46	24	100.0	50	19	US-10-484-784-28	Sequence 28, Appl
C 47	24	100.0	51	10	US-09-922-225A-65	Sequence 65, Appl
C 48	24	100.0	52	10	US-09-971-353-25	Sequence 25, Appl
C 49	24	100.0	53	9	US-09-263-959-588	Sequence 588, Appl
C 50	24	100.0	53	14	US-10-085-906-72	Sequence 72, Appl
C 51	24	100.0	54	10	US-09-852-903C-30	Sequence 30, Appl
C 52	24	100.0	54	18	US-10-723-940-11	Sequence 11, Appl
C 53	24	100.0	55	10	US-09-814-353-13669	Sequence 13669, A
C 54	24	100.0	56	10	US-09-852-903C-31	Sequence 31, Appl
C 55	24	100.0	57	9	US-09-263-959-690	Sequence 690, Appl
C 56	24	100.0	57	10	US-09-971-353-32	Sequence 32, Appl
C 57	24	100.0	58	10	US-09-852-903C-32	Sequence 32, Appl
C 58	24	100.0	60	10	US-09-852-903C-33	Sequence 33, Appl
C 59	24	100.0	60	15	US-10-218-567-81	Sequence 81, Appl
C 60	24	100.0	60	15	US-10-218-567-82	Sequence 82, Appl
C 61	24	100.0	60	15	US-10-218-567-83	Sequence 83, Appl
C 62	24	100.0	60	15	US-10-218-567-84	Sequence 84, Appl
C 63	24	100.0	61	18	US-10-407-818-12	Sequence 12, Appl
C 64	24	100.0	61	18	US-10-407-818-15	Sequence 15, Appl
C 65	24	100.0	62	10	US-09-852-903C-34	Sequence 34, Appl
C 66	24	100.0	62	10	US-09-971-353-29	Sequence 29, Appl
C 67	24	100.0	62	14	US-10-085-906-330	Sequence 330, Appl
C 68	24	100.0	63	14	US-10-085-906-129	Sequence 129, Appl
C 69	24	100.0	63	14	US-10-085-906-198	Sequence 198, Appl
C 70	24	100.0	64	10	US-09-852-903C-35	Sequence 35, Appl
C 71	24	100.0	64	17	US-10-035-833A-2763	Sequence 2763, Ap
C 72	24	100.0	64	17	US-10-035-833A-6181	Sequence 6181, Ap
C 73	24	100.0	66	17	US-09-852-903C-36	Sequence 36, Appl
C 74	24	100.0	66	17	US-10-035-833A-2258	Sequence 2258, Ap
C 75	24	100.0	66	17	US-10-035-833A-3664	Sequence 3664, Ap
C 76	24	100.0	68	10	US-09-852-903C-37	Sequence 37, Appl
C 77	24	100.0	68	17	US-10-035-833A-6759	Sequence 6759, Ap
C 78	24	100.0	69	10	US-09-854-867-450	Sequence 450, Appl
C 79	24	100.0	69	19	US-10-786-970A-450	Sequence 450, Appl
C 80	24	100.0	70	10	US-09-852-903C-38	Sequence 38, Appl
C 81	24	100.0	72	10	US-09-852-976B-122	Sequence 122, Appl
C 82	24	100.0	72	10	US-09-971-353-26	Sequence 26, Appl
C 83	24	100.0	72	10	US-09-971-353-27	Sequence 27, Appl
C 84	24	100.0	73	9	US-09-920-300A-1268	Sequence 1268, Ap

Db 24 CACACACACACACACACACACA 1

RESULT 6

US-10-017-995-1068/c
; Sequence 1068, Application US/10017995
; Publication No. US20030055014A1
; GENERAL INFORMATION:
; APPLICANT: Bratzler, Robert L.
; TITLE OF INVENTION: Inhibition of Angiogenesis by Nucleic Acids
; FILE REFERENCE: C1037/7025 (HCL/MAT)
; CURRENT APPLICATION NUMBER: US/10/017,995
; CURRENT FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: US 60/255,534
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1068
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-10-017-995-1068

Query Match 100.0%; Score 24; DB 14; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.44; Indels 0; Gaps 0;
Matches 24; Conservative 0; Mismatches 0;

Qy 1 CACACACACACACACACACACA 24
Db 24 CACACACACACACACACACACA 1

RESULT 7

US-10-314-578-1068/c
; Sequence 1068, Application US/10314578
; Publication No. US20030212026A1
; GENERAL INFORMATION:
; APPLICANT: Kries, Arthur M.
; APPLICANT: Schetter, Christian
; APPLICANT: Vollmer, Jorg
; TITLE OF INVENTION: Immunostimulatory Nucleic Acids
; FILE REFERENCE: C1039/7035 (HCL/MAT)
; CURRENT APPLICATION NUMBER: US/10/314,578
; CURRENT FILING DATE: 2002-12-09
; PRIOR APPLICATION NUMBER: US 60/156,113
; PRIOR FILING DATE: 1999-09-25
; PRIOR APPLICATION NUMBER: US 60/156,135
; PRIOR FILING DATE: 1999-09-27
; PRIOR APPLICATION NUMBER: US 60/227,436
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 1145
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1068
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-10-314-578-1068

Query Match 100.0%; Score 24; DB 17; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.44; Indels 0; Gaps 0;
Matches 24; Conservative 0; Mismatches 0;

Qy 1 CACACACACACACACACACACA 24
Db 24 CACACACACACACACACACACA 1

RESULT 8

US-10-831-778-1068/c

; Sequence 1068, Application US/10831778
; Publication No. US20040235774A1
; GENERAL INFORMATION:
; APPLICANT: Bratzler, Robert L.
; APPLICANT: Petersen, Deanna M.
; APPLICANT: Fouron, Yves
; TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
; FILE REFERENCE: C1037/7013 (HCL/MAT)
; CURRENT APPLICATION NUMBER: US/10/831,778
; CURRENT FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/179,991
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1068
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-10-831-778-1068

Query Match 100.0%; Score 24; DB 18; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.44; Indels 0; Gaps 0;
Matches 24; Conservative 0; Mismatches 0;

Qy 1 CACACACACACACACACACACA 24
Db 24 CACACACACACACACACACACA 1

RESULT 9

US-09-735-363A-1/c
; Sequence 1, Application US/09735363A
; Patent No. US20010041681A1
; GENERAL INFORMATION:
; APPLICANT: Fillon, Mario
; APPLICANT: Phillip, Nigel
; TITLE OF INVENTION: Therapeutically Useful Synthetic Oligonucleotides
; FILE REFERENCE: 02811-0181
; CURRENT APPLICATION NUMBER: US/09/735,363A
; CURRENT FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/170,325
; PRIOR FILING DATE: 1999-12-13
; PRIOR APPLICATION NUMBER: 60/228,925
; PRIOR FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-09-735-363A-1

Query Match 100.0%; Score 24; DB 9; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.44; Indels 0; Gaps 0;
Matches 24; Conservative 0; Mismatches 0;

Qy 1 CACACACACACACACACACACA 24
Db 27 CACACACACACACACACACACA 4

RESULT 10

US-09-735-363A-5/c
; Sequence 5, Application US/09735363A
; Patent No. US20010041681A1
; GENERAL INFORMATION:
; APPLICANT: Fillon, Mario
; APPLICANT: Phillip, Nigel

```

; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; Best Address: 1
; COUNTRY: US
; ZIP: 98104-7092
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 770:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-263-959-770

Query Match 100.0%; Score 24; DB 9; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.44;
Matches 24; Conservative 0; Mismatches 0; Indels 0

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DB 26 CACACACACACACACACACACA 3
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RESULT 13
US-10-168-327-2/c
; Sequence 2, Application US/10168327
; Publication No. US20030176381A1
; GENERAL INFORMATION:
; APPLICANT: Phillips, Nigel C.
; TITLE OF INVENTION: Hyaluronic Acid in the Treatment of Cancer
; FILE REFERENCE: 02811-0211 (42368-274915)
; CURRENT APPLICATION NUMBER: US/10/168,327
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: PCT/CA00/01562
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patent In version 3.1
; SEQ ID NO 2
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide
; US-10-168-327-2

Query Match 100.0%; Score 24; DB 16; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.44;
Matches 24; Conservative 0; Mismatches 0; Indels 0

QY 1 CACACACACACACACACACACA 24
    |||||
DB 27 CACACACACACACACACACACA 4
    |||||

RESULT 14
US-10-085-906-93/c
; Sequence 93, Application US/10085906

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; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 22
; LENGTH: 34
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: ().()
; OTHER INFORMATION: CA-18
US-09-852-903C-22

Query Match 100.0%; Score 24; DB 10; Length 34;
Best Local Similarity 100.0%; Pred. No. 0.44;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACAC 24
Db 1 CACACACACACACACACACACACACAC 24

RESULT 19
US-09-852-903C-23
; Sequence 23, Application US/09852903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: Diattech Pty. Ltd.
; TITLE OF INVENTION: An assay
; FILE REFERENCE: 2414918/EJH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 23
; LENGTH: 36
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: ().()
; OTHER INFORMATION: CA-19
US-09-852-903C-23

Query Match 100.0%; Score 24; DB 10; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACAC 24
Db 1 CACACACACACACACACACACACACAC 24

RESULT 20
US-09-909-317-7
; Sequence 7, Application US/09909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rottier (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; CURRENT FILING DATE: 2001-07-18

; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 36
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-7

Query Match 100.0%; Score 24; DB 11; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACAC 24
Db 1 CACACACACACACACACACACACACAC 24

RESULT 21
US-09-852-903C-24
; Sequence 24, Application US/09852903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: Diattech Pty. Ltd.
; TITLE OF INVENTION: An assay
; FILE REFERENCE: 2414918/EJH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 24
; LENGTH: 38
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: ().()
; OTHER INFORMATION: CA-20
US-09-852-903C-24

Query Match 100.0%; Score 24; DB 10; Length 38;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACAC 24
Db 1 CACACACACACACACACACACACACAC 24

RESULT 22
US-09-263-959-678/c
; Sequence 678, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

RESULT 28
US-10-661-415-24
; Sequence 24, Application US/10661415
; Publication No. US20040229828A1
; GENERAL INFORMATION:

```

RESULT 29
US-09-263-959-495/c
; Sequence 495, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC C
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.436C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 495:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 41 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-263-959-495

```

```
Query Match      100.0%; Score 24; DB 9; Length 41;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACA 24
   |||||
Db 41 CACACACACACACACACACACACA 18

RESULT 30
US-10-146-575-46
; Sequence 46, Application US/10146575
; Publication No. US20030059800A1
; GENERAL INFORMATION:
; APPLICANT: Lichter, Jay
; APPLICANT: Guido, Marco
; TITLE OF INVENTION: GENOTYPING OF HUMAN CYP3A4
; FILE REFERENCE: SEQ-12P
; CURRENT APPLICATION NUMBER: US/10/146,575
; CURRENT FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: US/09/144,367
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 46
; LENGTH: 41
; TYPE: DNA
; ORGANISM: H. sapiens
US-10-146-575-46

Query Match      100.0%; Score 24; DB 14; Length 41;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACA 24
   |||||
Db 10 CACACACACACACACACACACACA 33

RESULT 31
US-09-852-903C-26
; Sequence 26, Application US/09852903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: Diatech Pty. Ltd.
; TITLE OF INVENTION: An assay
; FILE REFERENCE: 2414918/EJH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 42
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1..7)
; OTHER INFORMATION: CA-22
US-09-852-903C-26

Query Match      100.0%; Score 24; DB 10; Length 42;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
   |||||
Db 1 CACACACACACACACACACACA 24
```

```
RESULT 32
US-09-263-959-797
; Sequence 797, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 797:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 44 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-263-959-797

Query Match      100.0%; Score 24; DB 9; Length 44;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACA 24
   |||||
Db 20 CACACACACACACACACACACA 43

RESULT 33
US-09-852-903C-27
; Sequence 27, Application US/09852903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: Diatech Pty. Ltd.
; TITLE OF INVENTION: An assay
; FILE REFERENCE: 2414918/EJH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 27
; LENGTH: 44
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc feature
```

; LOCATION: ()..()
; OTHER INFORMATION: CA-23
US-09-852-903C-27

Query Match 100.0%; Score 24; DB 10; Length 44;
Best Local Similarity 100.0%; Pred. No. 0.45; 0; Indels 0; Gaps 0;
Matches 24; Conservative 0; Mismatches 0;

Qy 1 CACACACACACACACACACACA 24
Db 1 CACACACACACACACACACACA 24

RESULT 34
US-09-852-903C-28
; Sequence 28, Application US/09852903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: Diattech Pty. Ltd.
; TITLE OF INVENTION: An assay
; FILE REFERENCE: 2414918/EJH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 28
; LENGTH: 46
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: ()..()
; OTHER INFORMATION: CA-24
US-09-852-903C-28

Query Match 100.0%; Score 24; DB 10; Length 46;
Best Local Similarity 100.0%; Pred. No. 0.45; 0; Indels 0; Gaps 0;
Matches 24; Conservative 0; Mismatches 0;

Qy 1 CACACACACACACACACACACA 24
Db 1 CACACACACACACACACACACA 24

RESULT 35
US-09-971-353-33
; Sequence 33, Application US/09971353
; Publication No. US20030113723A1
; GENERAL INFORMATION:
; APPLICANT: Bapat, Bharati
; APPLICANT: Rose, Melanie Anne
; TITLE OF INVENTION: METHOD FOR EVALUATING MICROSATELLITE INSTABILITY IN A TUMOR SAMPLE
; FILE REFERENCE: 11757.54USU1
; CURRENT APPLICATION NUMBER: US/09/971,353
; CURRENT FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: US 60/237,884
; PRIOR FILING DATE: 2000-10-04
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 33
; LENGTH: 46
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-971-353-33

Query Match 100.0%; Score 24; DB 10; Length 46;
Best Local Similarity 100.0%; Pred. No. 0.45; 0; Indels 0; Gaps 0;
Matches 24; Conservative 0; Mismatches 0;

Qy 1 CACACACACACACACACACACA 24
Db 1 CACACACACACACACACACACA 24

RESULT 36
US-09-263-959-514/c
; Sequence 514, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 514:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 47 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-263-959-514

Query Match 100.0%; Score 24; DB 9; Length 47;
Best Local Similarity 100.0%; Pred. No. 0.45; 0; Indels 0; Gaps 0;
Matches 24; Conservative 0; Mismatches 0;

Qy 1 CACACACACACACACACACACA 24
Db 24 CACACACACACACACACACACA 1

RESULT 37
US-09-263-959-571/c
; Sequence 571, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,959
FILING DATE: 05-MAR-1999
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: McMasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 920010.426C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 571:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-263-959-571

Query Match 100.0%; Score 24; DB 9; Length 47;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
|||||
DB 46 CACACACACACACACACACACA 23

RESULT 38
US-09-263-959-775
; Sequence 775, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 775:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 48 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-263-959-775

Query Match 100.0%; Score 24; DB 9; Length 48;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
|||||
DB 18 CACACACACACACACACACACA 41

RESULT 39
US-09-852-903C-29
; Sequence 29, Application US/09852903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: Diatch Pty. Ltd.
; TITLE OF INVENTION: An assay
; FILE REFERENCE: 2414918/EJH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 29
; LENGTH: 48
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: ().. ()
; OTHER INFORMATION: CA-25
US-09-852-903C-29

Query Match 100.0%; Score 24; DB 10; Length 48;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
|||||
DB 1 CACACACACACACACACACACA 24

RESULT 40
US-09-971-353-28/c
; Sequence 28, Application US/09971353
; Publication No. US20030113723A1
; GENERAL INFORMATION:
; APPLICANT: Bapat, Bharati
; APPLICANT: Rose, Melanie Anne
; TITLE OF INVENTION: METHOD FOR EVALUATING MICROSATELLITE INSTABILITY IN A TUMOR SAMPLE
; FILE REFERENCE: 11757.54USUI
; CURRENT APPLICATION NUMBER: US/09/971,353
; CURRENT FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: US 60/237,884
; PRIOR FILING DATE: 2000-10-04
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
; LENGTH: 48
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-971-353-28

Query Match 100.0%; Score 24; DB 10; Length 48;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
|||||
DB 47 CACACACACACACACACACACA 24

US-10-407-818-6
; Sequence 6, Application US/10407818
; Publication No. US20040198971A1
; GENERAL INFORMATION:
; APPLICANT: RABBANI, ELIAZAR
; APPLICANT: STAVRIANOPOULOS, JANNIS G.
; APPLICANT: DONEGAN, JAMES J.
; TITLE OF INVENTION: MULTISIGNAL LABELING REAGENTS, AND PROCESSES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: ENZ-65
; CURRENT APPLICATION NUMBER: US/10/407,818
; CURRENT FILING DATE: 2003-04-03
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
; OTHER INFORMATION: Synthetic oligonucleotide
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
; FEATURE:
; OTHER INFORMATION: may be 3'-amidated or -biotin dU
US-10-407-818-6

Query Match 100.0%; Score 24; DB 18; Length 50;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
DB 2 CACACACACACACACACACACA 25

RESULT 46
US-10-484-784-28/c
; Sequence 28, Application US/10484784
; Publication No. US20050009743A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Sundquist, Weesley I.
; TITLE OF INVENTION: IN VITRO ASSAYS FOR INHIBITORS OF HIV
; TITLE OF INVENTION: CAPSID CONFORMATIONAL CHANGES AND FOR HIV CAPSID FORMATION
; FILE REFERENCE: 21101.0015p1
; CURRENT APPLICATION NUMBER: US/10/484,784
; CURRENT FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: 60/307,998
; PRIOR FILING DATE: 2001-07-01
; PRIOR APPLICATION NUMBER: 60/333,553
; PRIOR FILING DATE: 2001-11-26
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence/Note =
; OTHER INFORMATION: Synthetic Construct
US-10-484-784-28

Query Match 100.0%; Score 24; DB 19; Length 50;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
DB 50 CACACACACACACACACACACA 27

RESULT 47
US-09-922-225A-65/c
; Sequence 65, Application US/09922225A
; Publication No. US20030104385A1
; GENERAL INFORMATION:
; APPLICANT: Evans, Glen A.
; TITLE OF INVENTION: Nucleic Acids and Encoded Polypeptides
; TITLE OF INVENTION: Associated with Bipolar Disorder
; FILE REFERENCE: P-EA 4672
; CURRENT APPLICATION NUMBER: US/09/922,225A
; CURRENT FILING DATE: 2003-01-14
; NUMBER OF SEQ ID NOS: 117
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 65
; LENGTH: 51
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-225A-65

Query Match 100.0%; Score 24; DB 10; Length 51;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
DB 25 CACACACACACACACACACACA 2

RESULT 48
US-09-971-353-25
; Sequence 25, Application US/09971353
; Publication No. US20030113723A1
; GENERAL INFORMATION:
; APPLICANT: Bapat, Bharati
; APPLICANT: Rose, Melanie Anne
; TITLE OF INVENTION: METHOD FOR EVALUATING MICROSATELLITE INSTABILITY IN A TUMOR SAMPLE
; FILE REFERENCE: 11757.54USU1
; CURRENT APPLICATION NUMBER: US/09/971,353
; CURRENT FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: US 60/237,884
; PRIOR FILING DATE: 2000-10-04
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; LENGTH: 52
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-971-353-25

Query Match 100.0%; Score 24; DB 10; Length 52;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
DB 1 CACACACACACACACACACACA 24

RESULT 49
US-09-263-959-588/c
; Sequence 588, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington

COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,959
FILING DATE: 05-MAR-1999
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Mcmasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 920010.426C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 588:
SEQUENCE CHARACTERISTICS:
LENGTH: 53 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-263-959-588

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Query Match      100.0%; Score 24; DB 9; Length 53;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 CACACACACACACACACACA 24
|||
Dp 30 CACACACACACACACACACA 7

RESULT 50
US-10-085-906-72
; Sequence 72, Application US/10085906
; Publication NO. US20030054371A1
; GENERAL INFORMATION:
; APPLICANT: Ying, Vincent
; APPLICANT: Wu, Paul
; APPLICANT: Gray, Gary S.
; TITLE OF INVENTION: POLYMORPHIC ELEMENTS IN THE
; SITE OF INVENTION: COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
; FILE REFERENCE: GNN-5343CP2
; CURRENT APPLICATION NUMBER: US/10/085,906
; CURRENT FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 60/126,215
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 09/534,061
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: PCT/US00/07938
; PRIOR FILING DATE: 2000-03-24
; NUMBER OF SEQ ID NOS: 545
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 72
; LENGTH: 53
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-085-906-72

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Query Match      100.0%; Score 24; DB 14; Length 53;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy	1	CACACACACACACACACA	24
D_b	1	CACACACACACACACACA	24

Search completed: June 2, 2005, 11:58:32
Job time : 219.063 secs

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C 499 36 100.0 601 4 US-09-949-016-69534 Sequence 69534, A
C 500 36 100.0 601 4 US-09-949-016-70057 Sequence 70057, A
C 501 36 100.0 601 4 US-09-949-001-663 Sequence 663, App

ALIGNMENTS

RESULT 1
US-08-222-177A-140
; Sequence 140, Application US/08222177A
; Patent No. 5582379
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-da)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/222,177A
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:

```
;
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
;
; INFORMATION FOR SEQ ID NO: 140:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd30rs
;
US-08-222-177A-140

Query Match 100.0%; Score 36; DB 1; Length 37;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
Db 2 CACACACACACACACACACACACACACACACACA 37

RESULT 2
US-08-222-177A-198
; Sequence 198, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 198:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd30rs
;
US-08-222-177A-198

Query Match 100.0%; Score 36; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
Db 2 CACACACACACACACACACACACACACACACACA 37

RESULT 3
US-08-222-177A-397
; Sequence 397, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 397:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd30rs
;
US-08-222-177A-397

Query Match 100.0%; Score 36; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
Db 2 CACACACACACACACACACACACACACACACACA 37

RESULT 4
US-08-222-177A-137
; Sequence 137, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 137:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd30rs
;
US-08-222-177A-137

Query Match 100.0%; Score 36; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 226:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: mid61rs
US-08-222-177A-226

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Query Match      100.0%; Score 36; DB 1; Length 46;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels
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Qy	1 CACACACACACACACACACACACACACA 36
Dd	1 CACACACACACACACACACACACACACA 36

RESULT 21
US-08-222-177A-346
; Sequence 346, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dc-da)n.(dg-gt)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100

```

/ TELEFAX: (608) 831-2106
/
/ TELEX:
/
/ INFORMATION FOR SEQ ID NO: 346:
/
/ SEQUENCE CHARACTERISTICS:
/
/ LENGTH: 46 base pairs
/
/ TYPE: nucleic acid
/
/ STRANDEDNESS: double
/
/ TOPOLOGY: linear
/
/ MOLECULE TYPE: DNA (genomic)
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/ IMMEDIATE SOURCE:
/
/ CLONE: mfd109rs
/
/ US-08-222-177A-346

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Query Match 100.0%; Score 36; DB 1; Length 46;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels

Qy	1	CACACACACACACACACACACACACACA	36
Dd	11	CACACACACACACACACACACACACACA	46

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RESULT 22
US-08-222-177A-83
; Sequence 83, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222.177A

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/ INDEX:
/ INFORMATION FOR SEQ ID NO: 83:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 47 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ IMMEDIATE SOURCE:
/ CLONE: mfglrs
US-08-222-177A-83

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Query Match      100.0%; Score 36; DB 1; Length 47;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels
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Query Match      100.0%; Score 36; DB 1; Length 47;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 95:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd15rs
; US-08-222-177A-95

Query Match 100.0%; Score 36; DB 1; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
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Db 2 CACACACACACACACACACACACACACACACACACA 37

RESULT 28
US-08-222-177A-186
; Sequence 186, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 186:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd46rs
US-08-222-177A-186

Query Match 100.0%; Score 36; DB 1; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
   ||||||||||||||||||||||||||||||||||
Db 2 CACACACACACACACACACACACACACACACACA 37

RESULT 29
US-08-222-177A-328
; Sequence 328, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 328:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd46rs
US-08-222-177A-186

Query Match 100.0%; Score 36; DB 1; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACA 36
   ||||||||||||||||||||||||||||||||||
Db 2 CACACACACACACACACACACACACACACACACA 37
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; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd103rs
US-08-222-177A-328

Query Match 100.0%; Score 36; DB 1; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACA 36
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Db 11 CACACACACACACACACACACACACACACACACA 46

RESULT 30
US-08-222-177A-367
; Sequence 367, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; (dG-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 367:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd116rs
US-08-222-177A-367

Query Match 100.0%; Score 36; DB 1; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACA 36
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Db 12 CACACACACACACACACACACACACACACACACA 47

RESULT 31
US-08-222-177A-379
; Sequence 379, Application US/08222177A
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; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (gc-da)n. (dg-dt)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 379:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd120rs
; US-08-222-177A-379
Query Match 100.0%; Score 36; DB 1; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
   ||||||||||||||||||||||||||||||||||
Db 10 CACACACACACACACACACACACACACACACACA 45

RESULT 32
US-08-222-177A-89
; Sequence 89, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (gc-da)n. (dg-dt)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 317:
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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 89:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 51 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd13rs
; US-08-222-177A-89
Query Match 100.0%; Score 36; DB 1; Length 51;
Best Local Similarity 100.0%; Pred. No. 7.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACA 36
   ||||||||||||||||||||||||||||||||||
Db 13 CACACACACACACACACACACACACACACACACA 48

RESULT 33
US-08-222-177A-317
; Sequence 317, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (gc-da)n. (dg-dt)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 317:
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VECTORS COMPRISING A POLY GT ELEMENT IN THE PRESENCE OF

TRANS-ACTING GENE PRODUCTS

NUMBER OF SEQUENCES: 13

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/110,475

FILING DATE: 23-AUG-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 914,651

FILING DATE: 15-JUL-1992

APPLICATION NUMBER: 255,203

FILING DATE: 07-OCT-1988

SEQ ID NO:3:

LENGTH: 62

5506118-3

Query Match 100.0%; Score 36; DB 6; Length 62;

Best Local Similarity 100.0%; Pred. No. 7.9e-05;

Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36

||||| CACACACACACACACACACACACACACACACACA 17

Db 52 CACACACACACACACACACACACACACACACACACA 17

RESULT 45

5506118-3/c

Patent No. 5506118

APPLICANT: BERG, DAVID T.; GRINNELL, BRIAN W.

TITLE OF INVENTION: METHOD OF USING EUKARYOTIC EXPRESSION

VECTORS COMPRISING A POLY GT ELEMENT IN THE PRESENCE OF

TRANS-ACTING GENE PRODUCTS

NUMBER OF SEQUENCES: 13

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/110,475

FILING DATE: 23-AUG-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 914,651

FILING DATE: 15-JUL-1992

APPLICATION NUMBER: 255,203

FILING DATE: 07-OCT-1988

SEQ ID NO:3:

LENGTH: 62

5506118-3

Query Match 100.0%; Score 36; DB 6; Length 62;

Best Local Similarity 100.0%; Pred. No. 7.9e-05;

Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36

||||| CACACACACACACACACACACACACACACACACA 17

Db 52 CACACACACACACACACACACACACACACACACACA 17

RESULT 46

US-08-222-177A-116

Sequence 116, Application US/08222177A

Patent No. 5582979

GENERAL INFORMATION:

APPLICANT: Weber, James L.

TITLE OF INVENTION: LENGTH POLYMORPHISMS IN

(dG-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME

NUMBER OF SEQUENCES: 460

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dewitt Ross & Stevens, S.C.

STREET: 8000 Excelsior Drive, Suite 401

CITY: Madison

STATE: Wisconsin

COUNTRY: USA

ZIP: 53717-1914

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/222,177A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/341,562

FILING DATE: 21-APR-1989

ATTORNEY/AGENT INFORMATION:

NAME: Sara, Charles S.

REGISTRATION NUMBER: 30,492

REFERENCE/DOCKET NUMBER: 09865.601

TELECOMMUNICATION INFORMATION:

TELEPHONE: (608) 831-2100

TELEFAX: (608) 831-2106

TELEX:

INFORMATION FOR SEQ ID NO: 116:

SEQUENCE CHARACTERISTICS:

LENGTH: 65 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

IMMEDIATE SOURCE:

CLONE: mfg22rs

US-08-222-177A-116

Query Match 100.0%; Score 36; DB 1; Length 65;

Best Local Similarity 100.0%; Pred. No. 8e-05;

Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACA 36

||||| CACACACACACACACACACACACACACACACACA 37

Db 2 CACACACACACACACACACACACACACACACACA 37

RESULT 47

US-08-222-177A-134

Sequence 134, Application US/08222177A

Patent No. 5582979

GENERAL INFORMATION:

APPLICANT: Weber, James L.

TITLE OF INVENTION: LENGTH POLYMORPHISMS IN

(dG-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME

NUMBER OF SEQUENCES: 460

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dewitt Ross & Stevens, S.C.

STREET: 8000 Excelsior Drive, Suite 401

CITY: Madison

STATE: Wisconsin

COUNTRY: USA

ZIP: 53717-1914

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/222,177A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/341,562

FILING DATE: 21-APR-1989

ATTORNEY/AGENT INFORMATION:

NAME: Sara, Charles S.

REGISTRATION NUMBER: 30,492

REFERENCE/DOCKET NUMBER: 09865.601

TELECOMMUNICATION INFORMATION:

TELEPHONE: (608) 831-2100

TELEFAX: (608) 831-2106

TELEX:

INFORMATION FOR SEQ ID NO: 134:


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; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd27rs
US-08-222-177A-131

Query Match      100.0%; Score 36; DB 1; Length 72;
Best Local Similarity 100.0%; Pred. No. 8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
   |||||||||||||||||||||||||||||||
Db 21 CACACACACACACACACACACACACACACACACA 56

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Search completed: June 2, 2005, 07:32:28
Job time : 79.7294 secs

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86	36	100.0	96	18	US-10-674-124A-1920	Sequence 1920, Ap	159	36	100.0	101	18	US-10-674-124A-18203	Sequence 18203, A
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88	36	100.0	96	18	US-10-674-124A-19630	Sequence 19630, A	c 161	36	100.0	101	18	US-10-674-124A-18662	Sequence 18662, A
89	36	100.0	96	18	US-10-674-124A-20419	Sequence 20419, A	162	36	100.0	101	18	US-10-674-124A-18760	Sequence 18760, A
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c 91	36	100.0	96	18	US-10-674-124A-22744	Sequence 22744, A	c 164	36	100.0	101	18	US-10-674-124A-19011	Sequence 19011, A
92	36	100.0	96	18	US-10-674-124A-26824	Sequence 26824, A	c 165	36	100.0	101	18	US-10-674-124A-19239	Sequence 19239, A
93	36	100.0	96	18	US-10-674-124A-26887	Sequence 26887, A	c 166	36	100.0	101	18	US-10-674-124A-19258	Sequence 19258, A
94	36	100.0	96	18	US-10-674-124A-27002	Sequence 27002, A	c 167	36	100.0	101	18	US-10-674-124A-19287	Sequence 19287, A
c 95	36	100.0	97	18	US-10-674-124A-4661	Sequence 4661, Ap	c 168	36	100.0	101	18	US-10-674-124A-19576	Sequence 19576, A
96	36	100.0	97	18	US-10-674-124A-8009	Sequence 8009, Ap	169	36	100.0	101	18	US-10-674-124A-19769	Sequence 19769, A
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c 99	36	100.0	97	18	US-10-674-124A-22860	Sequence 22860, A	c 172	36	100.0	101	18	US-10-674-124A-21158	Sequence 21158, A
100	36	100.0	97	18	US-10-674-124A-23254	Sequence 23254, A	c 173	36	100.0	101	18	US-10-674-124A-21214	Sequence 21214, A
101	36	100.0	98	18	US-10-674-124A-300	Sequence 300, App	174	36	100.0	101	18	US-10-674-124A-21552	Sequence 21552, A
c 102	36	100.0	98	18	US-10-674-124A-537	Sequence 537, App	175	36	100.0	101	18	US-10-674-124A-21664	Sequence 21664, A
103	36	100.0	98	18	US-10-674-124A-13279	Sequence 13279, A	c 176	36	100.0	101	18	US-10-674-124A-22415	Sequence 22415, A
c 104	36	100.0	98	18	US-10-674-124A-14225	Sequence 14225, A	c 177	36	100.0	101	18	US-10-674-124A-22465	Sequence 22465, A
c 105	36	100.0	98	18	US-10-674-124A-22972	Sequence 22972, A	178	36	100.0	101	18	US-10-674-124A-22505	Sequence 22505, A
106	36	100.0	98	18	US-10-674-124A-25543	Sequence 25543, A	c 179	36	100.0	101	18	US-10-674-124A-22667	Sequence 22667, A
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110	36	100.0	99	18	US-10-674-124A-19553	Sequence 19553, A	c 183	36	100.0	101	18	US-10-674-124A-23970	Sequence 23970, A
c 111	36	100.0	99	18	US-10-674-124A-20438	Sequence 20438, Ap	184	36	100.0	101	18	US-10-674-124A-24227	Sequence 24227, A
c 112	36	100.0	100	18	US-10-674-124A-8028	Sequence 8028, Ap	c 185	36	100.0	101	18	US-10-674-124A-24280	Sequence 24280, A
113	36	100.0	100	18	US-10-674-124A-10741	Sequence 10741, A	c 186	36	100.0	101	18	US-10-674-124A-24675	Sequence 24675, A
c 114	36	100.0	100	18	US-10-674-124A-18577	Sequence 18577, A	187	36	100.0	101	18	US-10-674-124A-24968	Sequence 24968, A
c 115	36	100.0	100	18	US-10-674-124A-19827	Sequence 19827, A	c 188	36	100.0	101	18	US-10-674-124A-25742	Sequence 25742, A
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; PRIOR FILING DATE: 2000-05-10
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RESULT 6
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; Publication No. US20040162253A1
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; APPLICANT: VAILLANT, ANDREW
; APPLICANT: JUTEAU, JEAN-WARC
; TITLE OF INVENTION: ANTIVIRAL OLIGONUCLEOTIDES TARGETING HSV
; FILE REFERENCE: 029849/0206
; CURRENT APPLICATION NUMBER: US/10/661,088
; CURRENT FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: PCT/IB03/04573
; PRIOR FILING DATE: 2003-09-11
; PRIOR APPLICATION NUMBER: 60/430,934
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; PRIOR APPLICATION NUMBER: 60/410,264
; PRIOR FILING DATE: 2002-09-13
; NUMBER OF SEQ ID NOS: 36
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; Sequence 24, Application US/10661097
; Publication No. US20040162254A1
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; APPLICANT: VAILLANT, ANDREW
; APPLICANT: JUTEAU, JEAN-MARC
; TITLE OF INVENTION: ANTIVIRAL
; FILE REFERENCE: 029849/0204
; CURRENT APPLICATION NUMBER: US/10/661,097
; CURRENT FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: PCT/IB03/04573
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Query Match      100.0%; Score 36; DB 18; Length 40;
Best Local Similarity 100.0%; Pred. No. 6.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

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RESULT 8
US-10-661-355-24
; Sequence 24, Application US/10661355
; Publication No. US20040170959A1
; GENERAL INFORMATION:
; APPLICANT: VAILLANT, ANDREW
; APPLICANT: JUTEAU, JEAN-MARC
; TITLE OF INVENTION: ANTIVIRAL OLIGONUCLEOTIDES
; FILE REFERENCE: 029849/0208
; CURRENT APPLICATION NUMBER: US/10/661,355
; CURRENT FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: PCT/IB03/04573
; PRIOR FILING DATE: 2003-09-11
; PRIOR APPLICATION NUMBER: 60/430,934
; PRIOR FILING DATE: 2002-12-05
; PRIOR APPLICATION NUMBER: 60/410,264
; PRIOR FILING DATE: 2002-09-13
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: Patent In Ver. 3.2
; SEQ ID NO 24
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; US-10-661-355-24

```

	Query Match	100.0%;	Score 36;	DB 18;	Length 40;
	Best Local Similarity	100.0%;	Pred. No. 6.8e-05;		
	Matches 36; Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	CACACACACACACACACACACACACACACA	36		
Dh	2	CACACACACACACACACACACACACACACA	37		

RESULT 9
US-10-661-099-24
; Sequence 24, Application US/10661099
; Publication No. US20040171568A1
; GENERAL INFORMATION:
; APPLICANT: VAILLANT, ANDREW
; APPLICANT: JUTEAU, JEAN-MARC
; TITLE OF INVENTION: ANTIVIRAL OLIGONUCLEOTIDES TARGETING HIV
; FILE REFERENCE: 029849/0203
; CURRENT APPLICATION NUMBER: US/10/661,099
; CURRENT FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: PCT/IB03/04573


```

; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 495:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 41 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-263-959-495

Query Match 100.0%; Score 36; DB 9; Length 41;
Best Local Similarity 100.0%; Pred. No. 6.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels

QY 1 CACACACACACACACACACACACACACACACACACACA 36
DB 41 CACACACACACACACACACACACACACACACACACA 6

RESULT 12
US-09-852-903C-26
; Sequence 26, Application US/09852903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: Diattech Pty. Ltd.
; TITLE OF INVENTION: An assay
; FILE REFERENCE: 2414918/EJH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 42
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(7)
; OTHER INFORMATION: CA-22
; US-09-852-903C-26

Query Match 100.0%; Score 36; DB 10; Length 42;
Best Local Similarity 100.0%; Pred. No. 6.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels

QY 1 CACACACACACACACACACACACACACACACACACACA 36
DB 1 CACACACACACACACACACACACACACACACACACA 36

```

RESULT 13
US-09-852-903C-27
; Sequence 27, Application US/09852903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: Diatech Pty. Ltd.
; TITLE OF INVENTION: 2414918/EJH
; FILE REFERENCE: 2414918/EJH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 27
; LENGTH: 44
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: ()..()
; OTHER INFORMATION: CA-23
US-09-852-903C-27

Query Match 100.0%; Score 36; DB 10; Length 44;
Best Local Similarity 100.0%; Pred. No. 6.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACACA 36
Db 1 CACACACACACACACACACACACACACACACACACACA 36

RESULT 14
US-09-852-903C-28
; Sequence 28, Application US/09852903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: Diatech Pty. Ltd.
; TITLE OF INVENTION: An assay
; FILE REFERENCE: 2414918/EJH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 28
; LENGTH: 46
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: ()..()
; OTHER INFORMATION: CA-24
US-09-852-903C-28

Query Match 100.0%; Score 36; DB 10; Length 46;
Best Local Similarity 100.0%; Pred. No. 6.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACACA 36
Db 1 CACACACACACACACACACACACACACACACACACACA 36

RESULT 15
US-09-971-353-33

; Sequence 33, Application US/09971353
; Publication No. US20030113723A1
; GENERAL INFORMATION:
; APPLICANT: Bapat, Bharati
; APPLICANT: Rose, Melanie Anne
; TITLE OF INVENTION: METHOD FOR EVALUATING MICROSATELLITE INSTABILITY IN A TUMOR SAMPLE
; FILE REFERENCE: 11757.54USU1
; CURRENT APPLICATION NUMBER: US/09/971,353
; CURRENT FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: US 60/237,884
; PRIOR FILING DATE: 2000-10-04
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 33
; LENGTH: 46
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-971-353-33

Query Match 100.0%; Score 36; DB 10; Length 46;
Best Local Similarity 100.0%; Pred. No. 6.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
Db 1 CACACACACACACACACACACACACACACACACACA 36

RESULT 16
US-09-263-959-571/c
; Sequence 571, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 571:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 47 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-263-959-571

Query Match 100.0%; Score 36; DB 9; Length 47;
Best Local Similarity 100.0%; Pred. No. 6.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; FILE REFERENCE: 2414918/EJH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 33
; LENGTH: 60
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: ().()
; OTHER INFORMATION: US+CA20
US-09-852-903C-33

Query Match 100.0%; Score 36; DB 10; Length 60;
Best Local Similarity 100.0%; Pred. No. 6.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CACACACACACACACACACACACACACACACACACA 36
| | | | | | | | | | | | | | | | | | | | | |
Db 21 CACACACACACACACACACACACACACACACACACA 56

RESULT 30
US-10-407-818-12/c
; Sequence 12, Application US/10407818
; Publication No. US20040198971A1
; GENERAL INFORMATION:
; APPLICANT: RABBANI, ELAZAR
; APPLICANT: STAVRIANOPOULOS, JANNIS G.
; APPLICANT: DONEGAN, JAMES J.
; TITLE OF INVENTION: MULTISIGNAL LABELING REAGENTS, AND PROCESSES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: ENZ-65
; CURRENT APPLICATION NUMBER: US/10/407,818
; CURRENT FILING DATE: 2003-04-03
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 61
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
; OTHER INFORMATION: Synthetic oligonucleotide
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-407-818-12

Query Match 100.0%; Score 36; DB 18; Length 61;
Best Local Similarity 100.0%; Pred. No. 6.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CACACACACACACACACACACACACACACACACA 36
| | | | | | | | | | | | | | | | | | | | | |
Db 61 CACACACACACACACACACACACACACACACACA 26

RESULT 31
US-10-407-818-15
; Sequence 15, Application US/10407818
; Publication No. US20040198971A1
; GENERAL INFORMATION:
; APPLICANT: RABBANI, ELAZAR
; APPLICANT: STAVRIANOPOULOS, JANNIS G.
; APPLICANT: DONEGAN, JAMES J.
; TITLE OF INVENTION: MULTISIGNAL LABELING REAGENTS, AND PROCESSES AND USES

; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: ENZ-65
; CURRENT APPLICATION NUMBER: US/10/407,818
; CURRENT FILING DATE: 2003-04-03
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 61
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
; OTHER INFORMATION: Synthetic oligonucleotide
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-407-818-15

Query Match 100.0%; Score 36; DB 18; Length 61;
Best Local Similarity 100.0%; Pred. No. 6.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CACACACACACACACACACACACACACACACACA 36
| | | | | | | | | | | | | | | | | | | | | |
Db 2 CACACACACACACACACACACACACACACACACA 37

RESULT 32
US-09-852-903C-34
; Sequence 34, Application US/09852903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: Diatech Pty. Ltd.
; TITLE OF INVENTION: An assay
; FILE REFERENCE: 2414918/EJH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 34
; LENGTH: 62
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: ().()
; OTHER INFORMATION: US+CA21
US-09-852-903C-34

Query Match 100.0%; Score 36; DB 10; Length 62;
Best Local Similarity 100.0%; Pred. No. 6.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CACACACACACACACACACACACACACACACACA 36
| | | | | | | | | | | | | | | | | | | | | |
Db 21 CACACACACACACACACACACACACACACACACA 56

RESULT 33
US-09-971-353-29
; Sequence 29, Application US/09971353
; Publication No. US20030113723A1
; GENERAL INFORMATION:
; APPLICANT: Bapat, Bharati
; APPLICANT: Rose, Melanie Anne
; TITLE OF INVENTION: METHOD FOR EVALUATING MICROSATELLITE INSTABILITY IN A TUMOR SAMPLE
; FILE REFERENCE: 11757.54USU1
; CURRENT APPLICATION NUMBER: US/09/971,353
; CURRENT FILING DATE: 2001-10-04


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; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 26864
; LENGTH: 79
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: D19S413
; FEATURE:
; OTHER INFORMATION: Located on chromosome 1
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; FEATURE:
; OTHER INFORMATION: sequence : -
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : -
US-10-674-124A-26864

Query Match      100.0%; Score 36; DB 18; Length 79;
Best Local Similarity 100.0%; Pred. No. 6.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACACA 36
Db 22 CACACACACACACACACACACACACACACACACACA 57

RESULT 45
US-10-674-124A-7594
; Sequence 7594, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; TITLE OF INVENTION: GENETIC POLYMORPHISM MARKERS
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 7594
; LENGTH: 81
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: D4S422
; FEATURE:
; OTHER INFORMATION: Located on chromosome 4
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 138262225
; FEATURE:

; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 470079
US-10-674-124A-7594

Query Match      100.0%; Score 36; DB 18; Length 81;
Best Local Similarity 100.0%; Pred. No. 6.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
Db 20 CACACACACACACACACACACACACACACACACACA 55

RESULT 46
US-10-674-124A-53
; Sequence 53, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; TITLE OF INVENTION: GENETIC POLYMORPHISM MARKERS
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 53
; LENGTH: 83
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: DIS508
; FEATURE:
; OTHER INFORMATION: Located on chromosome 1
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 6820713
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 152408
US-10-674-124A-53

Query Match      100.0%; Score 36; DB 18; Length 83;
Best Local Similarity 100.0%; Pred. No. 6.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
Db 26 CACACACACACACACACACACACACACACACACACA 61

RESULT 47
US-10-674-124A-1616
; Sequence 1616, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; TITLE OF INVENTION: GENETIC POLYMORPHISM MARKERS
```

FILE REFERENCE: ORIN-003CIP
CURRENT APPLICATION NUMBER: US/10/674,124A
CURRENT FILING DATE: 2003-09-26
PRIOR APPLICATION NUMBER: 10/257,511
PRIOR FILING DATE: 2003-03-07
PRIOR APPLICATION NUMBER: PCT/JP00/07621
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: JP2000-112699
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: JP2002-327516
PRIOR FILING DATE: 2002-09-28
PRIOR APPLICATION NUMBER: JP2002-383869
PRIOR FILING DATE: 2002-12-09
NUMBER OF SEQ ID NOS: 27110
SEQ ID NO 1616
LENGTH: 83
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: DIS202
FEATURE:
OTHER INFORMATION: Located on chromosome 1
FEATURE:
OTHER INFORMATION: Distance between a terminus base of telomere on
OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
OTHER INFORMATION: sequence : 188844562
FEATURE:
OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
OTHER INFORMATION: 5'-terminus of this base sequence : -162
US-10-674-124A-1616

Query Match 100.0%; Score 36; DB 18; Length 83;
Best Local Similarity 100.0%; Pred. No. 6.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACACA 36
Db 23 CACACACACACACACACACACACACACACACACACA 58

RESULT 48
US-10-674-124A-22476
Sequence 22476, Application US/10674124A
Publication No. US20040197797A1
GENERAL INFORMATION:
APPLICANT: INOKO, Hidetoshi
APPLICANT: TAMIYA, Gen
TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
TITLE OF INVENTION: GENETIC POLYMORPHISM MARKERS
FILE REFERENCE: ORIN-003CIP
CURRENT APPLICATION NUMBER: US/10/674,124A
CURRENT FILING DATE: 2003-09-26
PRIOR APPLICATION NUMBER: 10/257,511
PRIOR FILING DATE: 2003-03-07
PRIOR APPLICATION NUMBER: PCT/JP00/07621
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: JP2000-112699
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: JP2002-327516
PRIOR FILING DATE: 2002-09-28
PRIOR APPLICATION NUMBER: JP2002-383869
PRIOR FILING DATE: 2002-12-09
NUMBER OF SEQ ID NOS: 27110
SEQ ID NO 22476
LENGTH: 83
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: D16S3121
FEATURE:
OTHER INFORMATION: Located on chromosome 16
FEATURE:

OTHER INFORMATION: Distance between a terminus base of telomere on
OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
OTHER INFORMATION: sequence : 93028109
FEATURE:
OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
OTHER INFORMATION: 5'-terminus of this base sequence : 6572
US-10-674-124A-22476

Query Match 100.0%; Score 36; DB 18; Length 83;
Best Local Similarity 100.0%; Pred. No. 6.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
Db 25 CACACACACACACACACACACACACACACACACA 60

RESULT 49

US-09-835-976B-118/c
Sequence 118, Application US/09835976B
Publication No. US20030027983A1

GENERAL INFORMATION:

APPLICANT: Mount, David B.
APPLICANT: Delpire, Eric
APPLICANT: Gamba, Gerardo
APPLICANT: Alfred L. George, Jr.
TITLE OF INVENTION: PURIFIED AND ISOLATED POTASSIUM-CHLORIDE COTRANSPORTER NUCLEIC ACID
TITLE OF INVENTION: POLYPEPTIDES AND SCREENING METHODS USING SAME
TITLE OF INVENTION: THERAPEUTIC AND SCREENING METHODS USING SAME
FILE REFERENCE: Attorney Docket No. US20030027983A1 1242-26-2
CURRENT APPLICATION NUMBER: US/09/835,976B
CURRENT FILING DATE: 2001-04-16
NUMBER OF SEQ ID NOS: 131
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 118
LENGTH: 84
TYPE: DNA
ORGANISM: homo sapiens
US-09-835-976B-118

Query Match 100.0%; Score 36; DB 10; Length 84;
Best Local Similarity 100.0%; Pred. No. 6.9e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CACACACACACACACACACACACACACACACACACA 36
Db 37 CACACACACACACACACACACACACACACACACA 2

RESULT 50

US-10-674-124A-11295
Sequence 11295, Application US/10674124A
Publication No. US20040197797A1

GENERAL INFORMATION:

APPLICANT: INOKO, Hidetoshi
APPLICANT: TAMIYA, Gen
TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
TITLE OF INVENTION: GENETIC POLYMORPHISM MARKERS
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